ADMINISTRATION REPORT

OF THE

MUNICIPAL COMMISSIONER

FOR THE

CITY OF BOMBAY

FOR THE YEAR

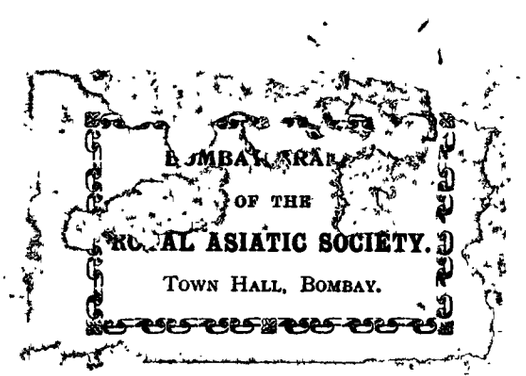
1947-48.

00135060

BOMBAY

MUNICIPAL PRINTING PRESS

1948



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REVIEW OF THE STANDING COMMITTEE OF THE ADMINISTRATION REPORT OF THE MUNICIPAL COMMISSIONER FOR THE CITY OF BOMBAY FOR THE YEAR 1947-48.

The Municipal Commissioner's Administration Report for the year 1947-48 gives in detail the working of the Municipal Departments for the year under review.

Corporation.

2. Mr. A. P. Sabavala was the Mayor of Bombay during the year. Mr. V. B. Gandhi was the Chairman of the Standing Committee. Mr. Khimji M. Bhujpuria was the Chairman of the Improvements Committee and Dr. T. R. Naravane was the Chairman of the Schools Committee during the year.

The personnel constituting these bodies at the end of the year is set forth at pages 2 and 3 of the report.

Commissioner.

3. Mr. B. K. Patel, I.C.S., continued to hold the office of the Municipal Commissioner for the year.

Finances.

4. The effects of World War II on the economic conditions have resulted in a large increase in expenditure without any corresponding increase in the income from different sources at the disposal of the Corporation. The cost of Municipal Administration has tremendously mounted up with the general upward trend of price level. This has imposed a heavy strain on the Corporation's finances. In spite of that, however, in the beginning of the year there was no variation in the rates of taxation. But perhaps for the first time in the history of the Corporation recourse had to be had to Supplementary Budget Estimates to meet the increasing cost consequent upon the revision of grades of the subordinate staff and the increase granted in general in the rate of Dearness Allowance.

Variations in Income.

5. In preparing the Budget Estimates for the year under report an Opening Cash Balance of Rs. 8.34 lacs was estimated but upon the closing of the accounts for the previous year, the actual opening balance was Rs. 50.19 lacs, this was less by Rs. 10.01 lacs than the actual of the previous year of Rs. 60.20 lacs. The Income was budgetted at Rs. 570.85 lacs but the actual realisation amounted to Rs. 661.69 lacs which showed an improvement to the extent of Rs. 90.84 lacs over the budgetted amount and of Rs. 124.88 lacs over the actuals of the previous year. To the actual income of Rs. 661.69 lacs of the year was added an amount of Rs. 8.37 lacs transferred from the Post-War Reconstruction Fund. Thus the total amount available for expenditure during the year, excluding the Opening Balance was Rs. 670.06 lacs. On the Expenditure Side, the budgetted amount was Rs. 579.72 lacs which was more by Rs. 67.80 lacs than the actual of Rs. 511.92 lacs of the previous year. In the Supplementary Budget Estimates this was calculated at Rs. 610.72 lacs but actual expenditure at the close of the year amounted to Rs. 566.13 lacs which was less by Rs. 13.59 lacs than the original Budget Estimates and by Rs. 44.59 lacs less than the Supplementary Budget Estimates. These variations in the estimated and actual income and expenditure converted the anticipated deficit of Rs. 0.19 lac estimated at the beginning of the year and increased the surplus of Rs. 4.12 lacs estimated at the time of preparing Supplementary Budget Estimates to a very handsome amount of Rs. 103.93 lacs against the surplus of Rs. 24.89 lacs and Rs. 63.32 lacs in the previous two years. With the addition of the opening balance of Rs. 50.19 lacs and deduction of the amount of Rs. 49.25 lacs reserved for Advances, the financial transaction of the year ended in a Closing Balance of Rs. 104.87 lacs showing an improvement by Rs. 54.68 lacs over the actual Opening Balance at the commencement of the year.

A detailed study of the Income Side reveals that the principal increases over the Budgt Eestimates were under (*i*) General Tax by Rs. 7.29 lacs due to revision of rateable values of properties, particularly of Government; (*ii*) Town Duties by Rs. 68.76 lacs due to revision of Schedule H to the Municipal Act under which several new items were made liable to payment of Town Duty and maximum rates of duties on articles already liable thereto were revised from 1st June 1947; (*iii*) Roads, Drains and Sewers for Wheel Tax and Government Contriubtion in lieu of tolls by Rs. 3.82 lacs due to effective control on private conveyances, etc.; (*iv*) Licenses by Rs. 5.49 lacs due to revision of fees and increased realisations on account of advertisement fees; and (*v*) Markets and Slaughter Houses by Rs. 9.03 lacs mainly due to increas in Stallage Charges.

During the year the sale proceeds of Municipal surplus land amounted to only Rs. 4.51 lacs and as this fell short by Rs. 5.49 lacs of the amount of Rs. 10 lacs to be annually credited to revenue account, the deficit was made good by transfer of an equivalent amount from the Land Sales Reserve Fund wherein balance at the beginning of the year was Rs. 10.39 lacs. During the year interest realised on investments in this Fund amounted to Rs. 0.31 lac. The balance in this Fund at the close of the year is estimated at Rs. 5.22 lacs which has been advanced for meeting expenditure on Capital Works. Perhaps at the close of the following year this meagre balance will be wiped out by the required transfer from this source to revenue account and the Corporation will then have seriously to think of finding out other sources to fill in this void. This fear is not imaginary as the area of surplus Municipal land now available for sale is only about 24,279 sq. yds. the approximate value of which is estimated to be only Rs. 2.79 lacs.

Variations in Expenditure.

6. Against the final sanctioned grants which aggregated to Rs. 705.37 lacs, the actuals as stated above amounted to Rs. 566.13 lacs leaving an unexpended balance of Rs. 139.25 lacs at the close of the year. Against this an amount of Rs. 86.63 lacs was renewed for expenditure in the following year and the balance of Rs. 52.62 lacs was treated as savings. Such a large saving of sanctioned grants under Revenue Budget indicates that the departments are not careful in determining their demands. Trsnsfers from one Budget head to another without affecting the total Budget provosions amounted to Rs. 32.79 lacs. The percentages (*i*) of establishment charges including supervision and (*ii*) of labour establishment only, to total expenditure worked out to 14.5 and 10.10, respectively, against 14.11 and 8.64 in the preceding year.

Loan Funds.

7. The Opening Balance on 1st April 1947 on account of Loans excluding Trust Funds was Rs. 13.65 lacs against Rs. 8.72 lacs, Rs. 7.61 lacs, Rs. 9.27 lacs and Rs. 17.30 lacs in the preceding four years. With an amount of Rs. 100.08 lacs raised during the year the loan funds available for expenditure were Rs. 113.73 lacs against which the expenditure incurred amounted to Rs. 54.38 lacs of which an amount of Rs. 49.20 lacs was spent on works and discount and other charges. The balance of Rs. 5.17 lacs was repaid to the Land Sales Reserve Fund against the outstanding balance of advance taken from the Fund for financing Capital Expenditure in previous years. Thus at the close of the year the unspent balance stood at Rs. 59.35 lacs. Indeed a very large amount on which the Corporation had to pay interest and Sinking Fund Charges without any use of the amount.

At the commencement of the year an ambitious programme of loan works was prepared and the Corporation had made a total provision of Rs. 70.68 lacs to be spent out of Loan and Trust Funds. At the time of preparing the Revised Estimates this amount though the highest in the quinquennium was further increased to Rs. 173.54 lacs. But the Standing Committee note with disappointment that as usual the actual expenditure incurred amounted to only Rs. 48.40 lacs which fell short of the Budget Estimates by 32 per cent. and of the Revised Estimates by 72 per cent.

At the close of the preceding year the amount of Municipal loan outstanding was Rs. 12,55.12 lacs. This was increased to Rs. 12,93.90 lacs at the close of the year under review. The total debt charges for payment of interest, sinking fund, etc., amounted to Rs. 126.83 lacs.

Sinking Funds.

8. The book value of investments of the Sinking Fund at the close of the year amounted to Rs. 374.42 lacs. Valuing the Municipal and Improvement Trust Debentures at par, the market value of Sinking Fund Investments at the end of the year stood at Rs. 395.47 lacs. This together with the amount of interest accrued upto 31st March 1948, *viz.*, Rs. 2.66 lacs, and cash of Rs. 161 brought the total amount of Sinking Fund to Rs. 398.14 lacs which more than covered the amount of Rs. 369.15 lacs to which the Fund should have accumulated at the close of the year. The excess in the Fund was Rs. 28.99 lacs against Rs. 29.94 lacs at the end of the previous year.

Improvement Scemes General Account.

9. The total income on this Account during the year amounted to Rs. 112.95 lacs against Rs. 103.70 lacs; Rs. 100.96 lacs; Rs. 102 lacs and Rs. 95.45 lacs in the preceding four years. The total expenditure for the year aggregated to Rs. 105.68 lacs against Rs. 104.32 lacs; Rs. 102.05 lacs; Rs. 99.53 lacs and Rs. 97.95 lacs in the previous four years.

Loan Accounts.

Ex-Trust Loan liablities at the commencement of the year were Rs. 15,71.77 lacs against Rs. 15,77.68 lacs in the previous year. No new loan liability was incurred during the year while loans to the extent of Rs. 5.80 lacs were repaid to Government on the basis of equated payments and the outstanding loan liabilities at the close of the year stood at Rs. 15,65.96 lacs of which the liability to Government was Rs. 5,12.77 lacs.

Capital Account.

The year began with a balance of Rs. 170.80 lacs. In the course of the year receipts of Rs. 17.04 lacs were credited to the Account by way of sale proceeds of lands and buildings with the further addition of an amount of Rs. 7.27 lacs transferred from the General Fund Account, the total funds available were Rs. 195.11 lacs, against which an amount of Rs. 4.92 lacs only was spent out of the Fund, leaving an unspent balance of Rs. 190.19 lacs, which showed an improvement of Rs. 19.39 lacs over the opening balance.

Sinking Fund in the Improvement Schemes Account.

The amount of Sinking Fund on 1st April 1947 was Rs. 392.30 lacs. With the addition of amounts of Rs. 17.65 lacs and Rs. 5.70 lacs by way of Interest, etc., realisations and Sinking Fund Instalments, respectively, the aggregate sum in the Fund at the end of the year amounted to Rs. 415.65 lacs. Valuing the Municipal and Trust debentures at par, the market value of Sinking Fund Investments at the end of the year amounted to Rs. 418.60 lacs. This together with the interest accrued upto 31st March 1948 of Rs. 1.26 lacs and a cash of Rs. 200 in the Imperial Bank of India, brought the total amount of Sinking Fund to Rs. 419.87 lacs against Rs. 354.74 lacs which should have accumulated in the Fund at the close of the year. The excess amount in the Fund is thus Rs. 65.13 lacs.

Taxation, Demand, Collection and Outstandings.

10. At the commencement of the year, all rates of taxation were the same as in the previous year. However, as it was found in the course of the year that income from these rates will not be sufficient to meet the growing expenditure, the Corporation on the recommendation of the Commissioner and the Standing Committee resorted to Supplementary Taxation under Section 134 of the Municipal Act, by which the Fire Tax included in the General Tax was increased by 1/4th per cent. from 1st October 1947. On vehicles and animals, the maximum rates as prescribed in Schedule 'G' to the Act were levied. The rates for water supply by meter measurement were the same as in the previous year and varied between annas 10 and Rs. 2 according to the user of water for profitable purposes.

On the Assessment Register during the year, there were 51,195 properties against 50,796; 50,571; 49,631 and 49,016 in the previous four years. Of the 51,195 properties, buildings for residential purposes were only 31,440 against 30,525 in the previous year. Out of the total number of properties, 42,165 were assessed to General Tax; 1,571 were exempted, 2,998 were not taxed being small plots of waste lands, etc., and 3,378 were Municipal plots.

Newly erected, enlarged and demolished properties numbered 1,182, 1,158 and 412, respectively, against 1,045, 1,062 and 346 in the previous year. At the end of the year single room and double room tenements and flats or blocks in the City numbered 2,39,280; 53,185 and 40,832, respectively, against 2,38,282; 52,370 and 40,630 in the previous year.

Out of a total number of 19,564 landlords in the City, 16,117 *i..e*,, 87.4 per cent. possessed only one property each. Nearly 22.8 per cent. of the total rateable value is under the control of 0.8 per cent. of the landlords, *viz.*, 154 persons only each of whom owns properties having an aggregate value exceeding rupees one lac.

The rateable values of properties in the City at the end of the year amounted to Rs. 17,78.97 lacs against Rs. 17,14.41 lacs; Rs. 16,71.70 lacs; Rs. 16,00.98 lacs and Rs. 15,93.55 lacs in the preceding four years. The increase in the total rateablue value also increased the *per capita* value to Rs. 69-11-0 against Rs. 64-11-0 in the previous year. In the previous three years this worked out to Rs. 72-11-0; Rs. 69-10-0 and Rs. 69-5-0.

The total number of vehicles and animals taxed during the year including those taxed under the Public Conveyance Act, *viz.*, 3,681, was 32,507 against 30,063; 30,058; 29,248 and 23,931 in the previous four years. Of this total number the maximum number 14,053 in any one group was for motor cars (including 1,020 Taxis) and the smallest number was 13 for Ponies.

During the year, 94,427 bills against 88,309 bills in the last year were issued for recovery of Property Taxes with a gross demand of Rs. 495.95 lacs against the gross demand of Rs. 475.96 in the last year.

The collections during the year amounted to Rs. 421.67 lacs against Rs. 415.18 lacs in the previous year. This worked out to 86.21 per cent. of the demand against 88.14 per cent. in the previous year. The outstanding amount at the close of the year was Rs. 67.43 lacs against Rs. 55.87 lacs and Rs. 41.83 lacs in the previous two years, giving a prcentage of 13.79 against 11.86 and 10.36 of the previous two years.

For recovery of Wheel-tax 1.10 lacs bills were issued for a gross demand of Rs. 25.56 lacs against Rs. 20.71 lacs and Rs. 19.26 lacs of the previous two years. Against the gross demand, the collection amounted to Rs. 19.87 lacs against Rs. 16.62 lacs and Rs. 15.74 lacs of the last two years. Percentage of recoveries to the demand thus worked out to 79.77 against 82.24 and 86.07 of the last two years. No explanation has been given for the lower percentage of recoveries against the demand as compared with the percentages of the previous two years, both in case of Property Tax and Wheel Tax. The low percentage recovery in the case of the latter is more pronounced now when the tax has to be recovered in advance. A stricter vigilance seems to be necessary in this case, particularly when we find that the total outstandings of Rs. 72.47 lacs including arrears of both Property and Wheel Tax increased to Rs. 77.42 lacs after 1st April 1948, due to issue of bills for water supply by meter measurement.

It is, however, gratifying to note that these increased outstandings were reduced to Rs. 50.40 lacs on 30th June 1948 as an amount of Rs. 26.06 lacs was collected and bills for Rs. 0.96 lac were recalled and cancelled. A large sum of Rs. 16.42 lacs is due from the Garrison Engineer (Hirings) and other Officers of the Government of India for buildings and lands requisitioned and structures erected on the lands for Military purposes. After prolonged correspondence, it has now been agreed to refer the matter to the High Court, Bombay, for opinion by stating a special case. The Standing Committee hope that the Municipal Executive in consultation with our legal advisers will place the case of the Corporation in its proper perspective so as to recover the just dues or in the alternative the Corporation will have to ask for a subvention of the like amount from Government to make good the loss.

An amount of Rs. 16.45 lacs was outstanding against the demand of Rs. 3,34.93 lacs from private ratepayers which came to only 4.91 per cent.

During the year, 49 claims for Drawback against 49 ; 85 and 361 in the previous three years were received, of which only 5 claims were admitted and the amount allowed for Drawback was only Rs. 616.

Similarly, 1,921 claims were received for refund against 1,905, 1,941, and 1,452 in the previous three years. Of these claims, 1,558 were admitted for a total amount of Rs. 7.49 lacs against 1,539 and 1,485 claims admitted in the previous two years when the amounts paid were Rs. 1.41 lacs and Rs. 0.84 lac, respectively. Of the total refund of Rs. 7.48 lacs, an amount of Rs. 6.13 lacs was due for over collection of charges for water by meter measurement refunded to the Textile Mills as the rate was reduced from Rs. 1-8-0 to Rs. 1-1-0 per 1,000 gallons.

The Urban Immoveable Property Tax.

11. The net demand for the Urban Immovable Property Tax during the year was Rs. 1,12.57 lacs against which the collection amounted to Rs. 94.33 lacs which came to 83.80 per cent. of the demand.

Town Duties.

12. Consequent upon the revision of Town Duty Schedule whereby the maximum rates of Duty levied on certain articles were raised and new items were made liable to Town Duty and the revised Schedule having been brought into operation from 1st June 1947, there was an increase of Rs. 75.42 lacs over that of the previous year. The gross collections amounted to Rs. 100.53 lacs against Rs. 25.11 lacs in the previous year. The refund for the year under review being Rs. 7.32 lacs against Rs. 7.46 lacs of the previous year. However, Government claim for refunds amounting to Rs. 15 lacs were kept pending due to certain discrepancies.

The total number of claims for refunds was 28,377 against only 6,117 in the previous year. The reasons for such a tremendous increase of 22,260 claims over the total of the last year requires some explanation.

The Departmental Collection of Town Duties at the three Causeways, *viz.*, Mahim, Sion and Chembur, amounted to Rs. 6.49 lacs against Rs. 2.04 lacs : Rs. 2.51 lacs and Rs. 2.81 lacs in the preceding three years.

Elections.

13. The work of revising the previous year's Municipal Roll prepared on adult franchise was taken in hand from February 1947 by the appointment of a large temporary staff accommodated in a specially rented premises. The Voters' List published on 9th August 1947, the date prescribed under the Act, contained 9 lac voters. With minor additions and alterations, the final Election Roll was ready on 20th December 1947 with 9.10 lac names in all.

The Roll of Delegates of Registered Trade Unions contained 306 names against 242, 241 and 106 names in the previous three years.

After a long spell of 9 years, the General Elections were held on three different days in three groups in which the 34 Wards were arranged all over the City. 12 Mandaps were erected and the same were used for different groups and for the first time in the history of the Corporation, elections were conducted on the basis of adult franchise. There were 270 valid nominations for 106 elective seats. 51 candidates forfeited their nomination deposit of Rs. 200 each upon their failure to secure the required number of votes from the constituencies from which they entered the election. There were 70 personation cases in all and all were convicted with fines ranging from Rs. 50 to Rs. 75. After the results were declared, 15 appeals were filed in the Small Causes Court by rival condidates. All these were either dismissed or withdrawn except one in which the candidate declared successful was unseated and replaced by the next one on the list. In the aggregate an amount of Rs. 9.89 lacs was spent for holding the elections including cost on the preparation of Election Roll, etc.

Municipal Properties.

14. With the acquisition by the Corporation of the three new Hospitals, *viz.*, the Indian Military Hospital at Dharavi, the Ramesh Premchand Tuberculosis Hospital at Sewri ; and the Nair Group of Hospitals at Lamington Road and of a number of Military huts-ments at Sion-Koliwada and Sewri and of the construction of a few new structures, the number of properties maintained by the Architectural Branch during the year increased to 2,941 against 2,596, 2,448 ; 2,330 ; 2,596 and 2,271 in the five previous years. The upkeep and maintenance of these buildings were carried out partly by contract and partly by departmental agency, for which the department had a total Budget provision of Rs. 29.32 lacs against which the expenditure incurred amounted to Rs. 10.09 lacs, *i.e.*, 34.32 per cent. of the total Budget grant. This compares unfavourably with the corresponding figures of the last year, when with a Budget provision of Rs. 22.03 lacs, the expenditure booked was Rs. 10.03 lacs, which worked out to 45.52 per cent. of the total Budget grant.

Principal works undertaken during the year included construction of 150 tenements at Wadala and 100 tenements at Fergusson Road for housing the April 1944 Dock explosion victims at an estimated cost of Rs. 8.41 lacs. Out of the total expenditure of Rs. 8.39 lacs from revenue, work done departmentally cost Rs. 7.99 lacs. New Works and Special Repairs Works estimated to cost Rs. 2.56 lacs and Rs. 1.87 lacs, respectively, were taken in hand but the total expenditure booked against these works during the year amounted to Rs. .78 lac and Rs. .89 lac, respectively. These great disparities in Budget provision and actual expenditure are attributed to extreme scarcity of materials and lack of transport facilities owing to heavy cut in petrol rationing.

During the year 22 sketch plans, 178 registered plans and 106 major estimtes amouting to Rs. 172.18 lacs for different works were prepared. Besides, 2,093 estimates aggregating to Rs. 34.28 lacs for New Works, Special Repairs Works, etc, were prepared for different Departments.

Private Buildings.

15. During the year 4,305 applications, against 4,245 ; 2,938 ; 2,373 and 1,581 in the previous four years were received for erection of new buildings or additions and alterations to the existing ones. The number of buildings covered by these applications was 2,359 against 2,293 ; 1,862 ; 1,700 and 1,007 in the preceding four years. The number of new tenements constructed during the year shows an appreciable improvement over the corresponding figures of the last two years, and is evident from the fact that during the year 256 one-room tenements, 153 two-room tenements and 287 larger tenements were constructed against which the respective figures for the year 1946-47 were 164 ; 42 and 73 and those for the year 1945-46 were 52 ; 11 end 6. Of these newly constructed tenements

the largest total number was 380 in F Ward in which 72 one-room and 92 two-room tenements and 216 larger tenements were constructed. Against the total of 696 newly constructed tenements, 349 one-room ; 28 two-room and 27 larger tenements, *i.e.*, 404 tenements were demolished during the year. Want of building materials at reasonable rates and the high cost of labour have to a great extent deterred building activities in the City. Almost every inch of available accommodation has been made use of for residential purposes and places which are not meant for such use, such as, garages, godowns, etc., are also occupied for residential purposes.

During the year the Building Department was entrusted with and completed the work of valuation of lands and buildings of the B. E. S. T. Co., Ltd., which undertaking was taken over by the Corporation in August 1947.

Drainage and Sewerage.

16. As compared with the last four years, there was again a decline in the total volume of sewage received and recorded at the Dadar Purification Works, which amounted to 3,361.76 million gallons, *i.e.*, an average of 9.21 million gallons per day against the total quantities of 3,648.04 ; 3,653.88 ; 4,057.48 and 4,558.11 million gallons received by the Works in the previous four years, giving a daily average of 10 ; 10.28 ; 11.11 and 11.12 million gallons for the respective four years.

The repairs to the roof of the Digestion Tank were completed during the year and the tank was put in commission. It was, however, soon found that the joints in the roof were not gas-tight and a large quantity of gas was escaping due to the faulty composition of the jointing compound. The defect was remedied by the use of a rubber compound which is reported to have been fairly satisfactory in stopping the leaks.

No further progress was made in the running of lorries on sludge gas as the G.M.C. lorries purchased for refuse transport were unsuitable for this purpose, while Leyland lorries though adaptable could not be so fitted as they have finished their useful life. Besides, it has now been prescribed by the Exploisive Inspector that the high pressure cylinders when fixed to lorries should be periodically tested. Unless therefore the testing apparatus is received and the cylinders tested, no lorry on sludge gas could be run. Thus at present the progress in this direction is at a standstill. The Standing Committee suggest that in future when such schemes are envisaged by the Executive, they should have a complete picture of the whole so that progress could not be held up in the intermediate stage and the plant and machinery purchased for the purpose remain unproductive.

Transport.

17. During the year there was a fleet of 139 vehicles used for various Municipal services. Out of 25 Fordson Thames vehicles purchased during the previous year, 9 were sold to the Surat Municipality, as these vehicles as also the G.M.C. trucks were not found suitable for our purpose. The total expenditure incurred on the maintenance of this fleet during the year amounted to Rs. 8.74 lacs against Rs. 7.77 lacs on a fleet of 148 vehicles in the previous year.

Of this total expenditure, the highest amount of Rs. 6.18 lacs against Rs. 5.55 lacs in the previous year was spent on (R.O.) Refuse lorries which numbered 80.

Repairs and maintenance of roads and foot-paths.

18. The total mileage of roads in the City during the year was 269.510 against 268.448 ; 267.393 ; 264.705 and 263.57 miles in the preceding four years. Out of the area acquired as set-backs, 5,479 sq. yds. were added to roads at a cost of Rs. 0.20 lac. In all 151 lac square yards were repaired during the year at a total cost Rs. 5.97 lacs.

During the war, renewal of asphalt road surfaces could not be carried out for want of materials, and the total area of surfaces due for repairs is estimated at nearly 8 lac square yards. With the limited capacity of the Municipal Asphalt Plant, it would take several years to complete the renewal programme and in the meanwhile other surfaces would become due for repairs. Some arrangement had therefore to be made to accelerate the renewal work. The Recondo process by a Singapore Company which does this work is therefore being given a trial. The Company has been entrusted with the work of reconditioning to the extent of 1.05 lac square yards at an estimated cost of Rs. 6.83 lacs. This process is estimated to be 15 to 20 per cent. cheaper than that by the ordinary process and it is expected to give the surface a life of 15 years.

16,000 roadside trees were maintained during the year at a cost of Rs. 0.12 lac. During the year 358 new trees were planted for replacing casualties, while 186 trees were cut down and 40 were uprooted during the monsoon.

An expenditure of Rs. 9.77 lacs was incurred for lighting and maintenance of 10,942 street lamps including the cost of Rs. 0.11 lac on erection of new lamp posts.

Remvoal of Town Refuse.

19. As in the previous years, two trains consisting on an average of 34 wagons each were used for transport of refuse to Deonar. Total number of wagons thus used was 23,581 against 23,572 ; 22,929 and 21,873 in the last three years. With an average of 12 tons per wagon, the quantity of refuse removed to Deonar was 2.83 lac tons against 2.83 lacs; 2.75 lacs and 2.62 lacs in the preceding three years. Though the quantity of refuse removed was the same as in the previous year, the total cost of removal and disposal increased by Rs. 0.36 lac, being Rs. 4.49 lacs against Rs. 4.13 lacs in the previous year and Rs. 3.43 lacs and Rs. 3.30 lacs in the two years preceding. The rate per ton worked out to Rs. 1-9-5 against Rs. 1-7-0 ; Rs. 1-3-11 and Rs. 1-4-2 in the preceding three years. Additional land admeasuring about 8 acres was reclaimed against about 9 acres in the previous year. Fall in the area in spite of increase in the tonnage of refuse is due to the refuse having been also dumped over the land already filled in to fill up depression caused by fire and rain. It is reported that out of 823 acres of low-lying land about 400 acres have so far been reclaimed.

Master Plan of Greater Bombay Region.

20. The work of preparing a Master Plan for the Greater Bombay Region was undertaken during the year in consultation with two American Professional Town Planners, for which half the expenditure for outside city limits is to be borne by Government. A skeleton Master Plan was first evolved giving a correct and proper inter-relationship between residential, industrial, business, and other areas with an efficient, safe and economic system of roads. Ultimately, the area of Greater Bombay is proposed to be extended upto Bassein Creek in the North on the B. B. & C. I. Railway and Thana on the G. I. P. Railway. The total additional area would then admeasure about 197.50 square miles.

Estate and Land Management.

21. The draft Town Planning Scheme for the Mandvi-Koliwada area devastated by the Dock explosions in April 1944 was finally approved by the Corporation during the year and submitted to Government for according requisite sanction. As building activities in these areas will now be controlled by the Bombay Town Planning Act, 1915, conditions to be stipulated in the commencement certificates have also been submitted to Government for approval.

Out of the total area of 139.36 sq. yds. (about 2,879 acres) vested in or acquired by the *ex*-Trust about 39.4 per cent. remained to be developed against about 40.3 per cent.; 41 per cent. and 42 per cent. of the preceding three years. Of the developed area about 4.8 per cent. remained to be leased against about 5.3 per cent. 7.6 per cent. and 8 per cent. in the previous three years. In the beginning of the year, the area of undeveloped land was 56.10 lac square yards, cost of acquisition of which was estimated at Rs. 202.46 lacs, while at the end of the year the corresponding figures were 54.85 lac square yards and Rs. 197.95 lacs, respectively.

During the year in all 93 plots were leased covering a total area of 1.48 lac square yards (about 30.5 acres) and valued at Rs. 36.36 lacs. The corresponding figures of the previous three years were 148; 145 and 90 plots, covering total area of 2.23 lac square yards, 1.99 lac sq. yds. and 2.12 lac sq. yds. respectively, having a capital value of Rs. 66.67 lacs, Rs. 47.26 lacs and Rs. 48.47 lacs. The total number of plots disposed of upto the end of the period of the report was 4,080 with an area of 55.92 square yards (about 115,5 acres) and valued at Rs. 1,136.87 lacs yielding an annual rent of Rs. 40.61 lacs from plots for which premium or commutation amount has not been paid.

Of the 93 plots leased during the year, 64 were leased on rental basis and 29 on premium basis. The annual rental to be derived from 64 plots was Rs. 1.67 lacs while the capital value of the remaining 29 plots was estimated at Rs. 8.51 lacs. Of the plots leased during the year, the highest number (47) was in the Sewri-Wadala Estate while the lowest (1) was in the Bellasis Road Estate.

During the period under review an amount of Rs. 6.86 lacs was received by way of commutation of ground rents, while an amount of Rs. 9.58 lacs was received as premium. The corresponding figures of the last three years were Rs. 15.96 lacs; Rs. 12.96 lacs and Rs. 14.85 lacs by way of commutation and Rs. 4.81 lacs; Rs. 14.90 lacs and Rs. 23.50 lacs as premium.

In the beginning of the year, the Department was in charge of 598 buildings of which one was sold. The remaining 597 buildings contained 5,070 tenements of which 3,780; 637 and 307 were one room; two room and larger tenements, respectively, the remaining being 225 shops, 116 godowns and 5 factories. Rent realised from these buildings totalled Rs. 6.85 lacs against Rs. 6.47 lacs; Rs. 6.62 lacs and Rs. 7.94 lacs in the previous three years. The monthly rent charged for one room, two room and three room tenements ranged, respectively, from Rs. 4-15-0 to Rs. 12-5-0; from Rs. 17-8-0 to Rs. 23-11-0 and Rs. 30-15-0 to Rs. 36-11-0. The average population in the chawls during the year was 53,807 against 50,144 and 48,986 in the previous two years. The death rate in *ex*-Trust chawls during the year was 7.6 per 1000 against 6.1 and 7.9 in the preceding two years.

Water Supply.

22. As in the beginning of the monsoon season of the year under report there was no appreciable rainfall in the Municipal lakes till the middle of July 1947, and as the levels in the different lakes had gone down substantially, the total supply of water to the City was cut down to about 90 million gallons per day from the third week of June 1947, as a precautionary measure. Fortunately, the rains subsequently came in plenty and the normal supply was restored. During the period the Tansa Lake was overflowing, 521 million gallons of water were transferred from that Lake to the Vehar Lake through the Duct Line.

During the year, quantity of water supplied to the City and the Suburbs was 41,115.00 million gallons against 42,798.00 million gallons in the previous year, of which the total quantity supplied to the City was 39,283.00 million gallons. The average daily sypply was 112.33 million gallons against 117.25 in the previous year. Average daily supply to the City was 107.31 million gallons which worked out to 4,154 gallons per head on the basis of the population as per food census of the year, *i.e.*, 25.80 lacs. Of the average daily supply, 27.14 gallons per head per day were for domestic purposes. Percentage of total supply for domestic purposes was 62.34 while 37.66 was for other purposes. Total quantity of water supplied by meter measurement was 9,721.91 million gallons of which 2,350.62 million gallons were consumed by mills, *i.e.*, 5.72 per cent. of the total supply. 2,651.91 million gallons or 6.45 per cent. were lost by way of leakage and other ways through Municipal mains. Of the total supply a quantity of 25,635.01 million gallons or 62.34 per cent. was for domestic purposes.

The Department attended 989 fire calls to regulate supply of water at scenes of fires against 1,500; 1,132 and 796 calls in the previous three years. The total quantity of water used on fires was about 4.6 million gallons.

81 Drinking Fountains, 17 Cattle troughs, 39 combined fountains and troughs, 60 stand-post pipes, 2 dipping wells and 18 Municipal wells of which water from only three was used for public were maintained by the Department.

Gardens maintained by the Department at Malabar Hill and Mazagaon are very popular among the public who throng there in large numbers morning and evening while on holidays they are literally crowded by visitors.

With the increase in population and other consequent increasd demand for water supply, the number of short supply complaints received and attended to during the year was 4,782 against 3,927 and 3,223 in the previous two years.

In order to check wastage through leaky taps in private premises, a special staff has been maintained whose duty is to inspect and rewasher leaky taps free of cost. During the year 20,844 taps were rewashersed. This service has been appreciated by the public and has also served the useful purpose of detecting unauthorised works. A stricter vigilance and educative propaganda through cinema slides, posters, etc., will be a great boon in these days when shortage of water is keenly felt by the people.

Revenue derived from water supply by meter measurement during the year amounted to Rs. 87.48 lacs which was less by Rs. 6.12 lacs than that of the previous year. The fall in revenue is attributed to reduction in the rate for supply given to Mills, dyeing and bleaching concerns and the Race Course.

The total number of water connections in the City was 53,470 against 52,643; 52,163; 51,752 and 51,339 in the previous four years. During the year 873 new connections were made, while 46 connections were discontinued.

Schemes for augmenting City's Water Supply.

23. In order to utilise the lower contents of the Tansa Lake so as to save the City from a water famine in case of a prolonged drought, one additional 50" diameter outlet was made in the dam at 375 T.H.D., connecting the same to the outlet well by a 57" pipe line through its north flank. Another emergency measure taken was to provide one 40 million gallon per day capacity pump with motor on floating pontoons, two 500 H.P. Diesel Engines with generators and 50" diameter floating pipe line on pontoons. First of these two works will draw contents by gravity upto 385 T.H.D. instead of the present 387.5 T.H.D. and the second will enable us to utilise the contents between 385 and 365 T.H.D.

In order to impound additional water in the Lake over its full supply level of 420 feet, automatic shutters were installed over the waste weir whereby additional 2,900 million gallons of water could be stored. The work has been completed but due to paucity of rain it has not been possible to take advantage of this additional height.

The Corporation have also embarked seriously upon a long term scheme for augmenting the City's water supply, known as the Vaitarna-*cum* Tansa Scheme, the detailed survey of which totalling 110 miles was taken in hand on 24th March 1947. As a part of this survey efforts were made to find out an independent means for conveying the Vaitarna Waters to the City and it was found that if a pipe line about 6½ miles in length were laid from the end of the Vaitarna tunnel skirting the water spread of the Tansa Lake, it would convey directly the contents of the Vaitarna Reservoir to the City independently of the Tansa Lake. With this end in view the original storage capacity of the new dam of 17,000 million gallons had to be increased to 46,000 million gallons and this has created new problems for a suitable site for dam, situation of the waste weir, its design, etc. No decision has yet been taken as regards the type of waste weir, experiments for which are to be carried out at the Khadakwasla Reserarch Station. The cost of the whole scheme is at present estimated to be in the neighbourhood of Rs. 16 crores. Preliminary works, necessary to be completed before starting the major works of dam, tunnel, etc., such as, construction of access roads, temporary bunds to store water, housing accommodation for staff on site, etc., estimated to cost about Rs. 26 lacs, have been put in hand and are gradually developing.

Fire Brigade.

24. During the year under report, the Fire Brigade received 1,200 calls against 1,473; 1,230; 895 and 779 calls in the preceding four years. Of these calls, 18 calls were for fires outside the City limits against 6; 15; 14 and 23 in the previous four years, while 703 calls were for actual fires and 286 false alarms. The total distance travelled by fire engines to and from 1,200 calls was 9,154 miles. There was an appreciable fall by 258 in the calls for actual fires when compared with those of the preceding year. In their review of the report for the year 1945-46, the Standing Committee had expressed a desire to get more detailed information about the calls attended outside the City limits, such as, the name of the locality, the distance covered, the number of appliances sent out and the time for which they remained outside the City limits. Now that the outside City limit calls are on the increase, the Standing Committee would once again repeat their desire with a hope that in future reports this useful statistical information would be available, so as to assess the service rendered by the Brigade outside its jurisdiction.

With the fall in the number of actual fires, there was also a decline of Rs. 11.72 lacs in the estimated total loss, as compared with the loss of the previous year. Such loss during the year amounted to Rs. 55.78 lacs against Rs. 67.50 lacs; Rs. 38.34 lacs; Rs. 51.87 lacs and Rs. 36.75 lacs in the preceding four years. Of this loss, the value of insurance of properties affected was Rs. 9.90 lacs, while the total value of the property involved amounted to Rs. 13,13.75 lacs.

The approximate total quantity of water used for extinguishing fires was 43 lac gallons of which 40.31 lac gallons were drawn from Municipal mains alone.

With the fall in the number of actual fires, the casualties by fire also showed a decline, being 3 burnt to death, 14 severely injured resulting in subsequent deaths and 64 cases of minor injuries or burns, against the corresponding figures of 5; 22 and 53; 12; 40 and 123 of the previous two years, respectively.

The City is served by 195 Fire Alarm posts (including private alarms) connected to 9 Fire Stations. These have proved very useful as is evident from the fact that out of 1,200 total calls, 57 per cent. were received through this system.

Besides attending to fire calls, the Brigade was called upon for rendering 56 cases of special service, such as, in respect of fallen buildings, rescue work from lifts, trees, wells, etc.

As in the past, the Fire Brigade Department also conducted the Ambulance Service carried out by 6 ambulances. These ambulances attended 1,388 street accident calls, 2,195 maternity cases and 2,738 hire calls removing in all 6,390 persons against the corresponding figures of 1,499, 2,861, and 3,690 in the year 1946-47; 1,586, 1,704 and 3,786 during the year 1945-46 and 1,475, 1,636 and 4,227 during the year 1944-45, when 8,075; 7,314 and 8,243 persons were carried, respectively, in the said last three years.

The total mileage covered by the ambulances during the year came to 40,904 against 49,142; 47,328 and 55,096 in the preceding three years. The total receipts on account of hire cases amounted to Rs. 13,984 against Rs. 19,322, Rs. 18,800 and Rs. 21,871 in the previous three years. The fall in receipts is attributed to ambulances, being old, had to be put out of commission for repairs very often. It is desirable that very soon the old unserviceable ambulances should be replaced by new modern type ones and that the fleet should also be augmented having regard to the fact that the service has become very popular and the present fleet of vehicles is insufficient to meet the demand of the increasing population of the City.

Public Gardens.

25. As in the previous years, the Department managed 85 sites for public recreation, etc., consisting of 18 Gardens, 4 Fountains, 2 Bandstands, 7 Traffic Islands, 3 Open Spaces, 47 Recreation Grounds, 1 Statue and 3 Ornamental hedges. The Standing Committee suggest that in future reports a statement showing the location and area of these sites may be given. As the machine recording the number of visitors to the Victoria Gardens was out of order and could not be repaired for want of materials, the number of visitors to the gardens is not available. In the previous four years, the number of visitors recorded was 22.59 lacs, 27.48 lacs, 26.35 lacs and 23.05 lacs, respectively. It is reported that the Department could not arrange any programme of band or Indian music at any of the recreation places during the year on account of disturbed conditions in the City. The disturbances did not continue throughout the year nor all over the City and the Department should have managed to arrange some programmes which have always been appreciated by the public and largely patronised.

The Zoo Section of the Victoria Gardens which was very badly depleted during the war period was to a certain extent replenished during the year either by purchase or presents made by animal lovers of rare animals and birds and the ratio of increase to decrease of live stock during the year was 2 to 1 against 0.5 to 1 of the last year.

The Annual Vegetable Fruit and Flower Show which was scheduled to be held early in February 1948 had to be abandoned owing to the lamentable murder of Mahatma Gandhi and the period of national mourning declared thereafter.

Victoria and Albert Museum.

26. The Museum was open to the public during the year for 275 days against 287; 233; 307 and 314 days in the preceding four years. It was closed to the public for nearly a month in December 1947 for urgent repair works.

Though the Museum was open to the public for less number of days than in the previous year, the total number and the daily average of visitors exceeded those of the last year, being 9.74 lacs and 3,543, respectively, against 9.60 lacs and 3,345 of the preceding year. Likewise, pupils from Primary and Secondary Schools who visited the Museum numbered 4,327 against 2,756 of the previous year. Further, 135 Curators and Museum enthusiasts visited the Museum. They appreciated the Agricultural and Industrial Models and old Bombay Collections. A two dimentional plan of Slum Clearance and an ideal layout thereof were prepared showing civic amenities necessary for an ideal town.

Municipal Free Reading Rooms and Libraries.

27. The Book Selection Committee guided the Chief Librarian in selection of useful books in various languages. During the year, 947 books on various subjects were purchased against 728 and 669 in the preceding two years. As the part-time Library opened in the Victoria and Albert Museum compound proved to be popular, it was continued throughout the year.

The total number of visitors to the Free Reading Rooms came to 3.08 lacs against 3.12 lacs, 3.70 lacs and 3.77 lacs in the previous three years.

Central Stores.

28. The department invited during the year tenders in 80 cases against 87 ; 88 ; 77 and 138 in the preceding four years. The number of contracts for the various Schedule articles entered into came to 91 against 71 ; 57 ; 56 and 37 in the preceding four years. Besides these contracts, materials which were obtainable only upon a licence from Government were secured at controlled rates from various authorized stockists. The value of stores and other materials purchased by the Department during the year came to Rs. 28.19 lacs against Rs. 17.68 lacs ; Rs. 19.88 lacs ; Rs. 18.21 lacs and Rs. 17.73 lacs in the previous four years. The increase in the total value is attributed to increased purchase of C. I. and G. I. pipes, iron materials, cement and cloth. Of the total purchases made, stock of the value of Rs. 27.19 lacs was of Indian manufacture and the balance of Rs. 1 lac represented the value of foreign goods. Against these purchases and stock on hand, the consuming departments submitted 23,873 indents and sales memos.

4,405 orders for the purchase of stores were placed with the contractors or other dealers against 4,221 ; 3,763 ; 3,837 and 3,442 in the preceding four years.

The total turnover of the department during the year was Rs. 51.52 lacs against Rs. 36.14 lacs ; Rs. 39.38 lacs ; Rs. 36.50 lacs and Rs. 33.12 lacs in the preceding four years. At the close of the year, the department had on hand stores of the value of Rs. 14.47 lacs against Rs. 9.60 lacs ; Rs. 10.38 lacs ; Rs. 9.99 lacs and Rs. 10.06 lacs in the preceding four years.

During the year the Department disposed of by public auction C. I. and other scrap and unserviceable articles received from other departments of the total value of Rs. .31 lac only against Rs. .57 lac ; Rs. .44 lac ; Rs. .40 lac and Rs. .25 lac in the last four years. The highest rate realised for C. I. scrap was Rs. 172 per ton

Licences.

29. During the year the licences or permits issued numbered 28,739 against 28,596 ; 25,751 ; 25,263 and 24, 829 in the preceding four years. Though the number of licences issued during the year exceeded only by 143 the number issued last year, the amount realised by way of fees recovered on the issue of these permits was more by Rs. 3.59 lacs than that realised during the preceding year, the total for the year under report being Rs. 6.15 lacs against Rs. 2.56 lacs in the last year. These realizations for each of the three years previous to the last year amounted to Rs. 2.63 lacs, Rs. 2.54 lacs and Rs. 2.49 lacs, respectively. The increase during the year may be attributed to the revision of the Schedule of Fees. At the close of the year, an amount of Rs. 14,743 was outstanding in respect of 677 notices of demand against an outstanding of Rs. 9,620, Rs. 1,092, Rs. 796 and Rs. 328 for 696 ; 125 ; 96 and 45 outstanding notices for the previous four years. The Standing Committee would here desire to reiterate the observations made in the previous reviews that no permit or licence be issued or renewed until payment therefor has been received, and early steps be taken to bring to book the offendors so as to reduce these outstandings to the minimum.

The loss of revenue incidental to the non-renewal of old licences upon disuse or demolition of old licensed places amounted to Rs. 0.23 lac against Rs. 0.17 lac ; Rs. 0.10 lac ; Rs. 0.18 lac and Rs. 0.24 lac in the preceding four years.

An amount of Rs. 2.08 lacs was realised for the issue of 2,028 permits for advertisements during the year ; the corresponding figures for the previous four years were Rs. 1.54 lacs ; Rs. 1.41 lacs ; Rs. 1.35 lacs and Rs. 1.15 lacs against the number of 1,930 ; 2,116 ; 2,571 and 2,470 permits. This item of revenue is full of potentialities and the Standing Committee desire to point out that a strict vigilance on the display of such advertisements in forms of wall posters, moveable boards, etc., should be maintained so as to see that such hoardings do not escape payment of licence fees.

The number of squatter and hawker licences issued during the year was 43,352 against 39,545 ; 43,272; 45,517 and 41,663 in the previous four years. The fees realised therefrom amounted to Rs. 2.79 lacs against Rs. 1.55 lacs, Rs. 1.66 lacs, Rs. 2.03 lacs and Rs. 1.92 lacs in the corresponding previous four years.

In all 2,165 prosecutions were instituted by the Licence Department during the year for offences against Sections of the Act administered by it, against 2,035 ; 2,198 ; 2,654 and 4,017 in the previous four years. Of these prosecutions, only 528 resulted in conviction and the amount of fines inflicted was Rs. .21 lac. It is interesting to note that out of the total of 2,165 prosecutions instituted as many as 2,030 cases were withdrawn on compliance with law, against only 1,018 cases withdrawn in the previous year. These withdrawals come to over 93 per cent. of the cases instituted and raises a point for enquiry as regards the cost incurred and loss sustained by the Municipality in launching these prosecutions.

The total revenue of the department during the year was Rs. 11.42 lacs against Rs. 5.88 lacs ; Rs. 6.07 lacs ; Rs. 5.81 lacs and Rs. 5.30 lacs in the preceding four years.

Administration of the Shops and Establishments Act, 1939.

30. This Act has been administered by the Municipality for the last seven years on behalf of the Provincial Government and the effective mode of enforcing the Act has been found to be Mass Surprise Raids. 126 Raids (76 by day and 50 by night) were carried out during the year against 121 (27 by day and 94 by night) ; 172 (99 by day and 73 by night) and 123 (67 by day and 56 by night) in the preceding three years. The total of visits and revisits to institutions covered by the Act numbered 57,246 of which 7,287 were to commercial establishments, 116 to places of amusements and 9,234 to restaurants. The total of suh visits in the previous four years was 43,659 58,546 ; 42,083 and 45,776. The number of new prosecutions launched during the year, *viz.*, 5,120, shows a marked improvement in the method of enforcing the Act and is far above the number launched in the previous four years, *viz.*, 3,347 ; 3,688 ; 2,538 and 3,495. With the outstanding balance of 1,195 pending cases at the close of the previous year, 5,899 cases were disposed of resulting in 5,784 convictions, 79 withdrawals and 36 acquittals. The pending cases at the close of the year numbered 416. On the convicted cases, the amount of fines inflicted was Rs. 1.11 lacs giving an average of Rs. 18-12-7 per case or Rs. 9-6-5 per charge as each case usually involves multiple charges. The amount of fines inflicted in each of the previous three years was Rs. 0.38 lac against 2,585 convictions, Rs. 0.66 lac against 3,447 convictions; and Rs. 0.51 lac again 2,361 convictions.

Expenditure incurred on the administration of the Act was Rs. 1.02 lacs against which Government sanctioned a grant-in-aid of only Rs. 0.38 lac. The latter amount is far short not only of the expenditure but also of the grants-in-aid of Rs. 0.66 lac ; Rs. 0.50 lac ; and Rs. 0.69 lac received in the previous three years. The Standing Committee would impress upon the Commissioner the extreme desirability of making a very strong representation to Government impressing upon them the necessity of reimbursing the Corporation the expenditure incurred by it in administering the Act on their behalf.

Markets.

31. The total receipts (Rs. 29.88 lacs) of the Department during the year showed an increase of Rs. 7.28 lacs over those of the previous year, *viz.*, Rs. 22.60 lacs. This increase was principally made up of Rs. 4.23 lacs in the receipts from Municipal Markets and of Rs. 2.87 in Squatters' Fees. As against these increases, the receipts from the Sale of Right to collect fees at the Arthur Crawford Market showed a decline of Rs. 0.31 lac being Rs. 2.20 lacs against Rs. 2.51 lacs of the previous year. The number of Municipal Markets remained the same, *viz.*, 17, as in the last three years, excluding the two temporary Open Air Markets established in the previous year. To meet the demands of the public three Squatters' Areas were started at (*i*) Parel Village ; (*ii*) Tulsi Pipe Line, Dadar and (*iii*) Sandhurst Road Footpath near Dwarkadas Mansion, Girgaum. The Corporation also approved of proposals for (*i*) establishing a new Municipal Market at Dongri and (*ii*) extending the Fish Section at the Arthur Crawford Market.

With the establishment of a new Open Air Private Market at Garam Khada, Lalbaugh, the number of Private Markets during the year was 22, while the number of Private Slaughter Houses remained at 2. The Department could collect licence fees of Rs. 0.32 lac only from 16 Private Markets and one Slaughter House against Rs. 0.49 lac collected in the previous year from 19 Private Markets and one Slaughter House. It is reported that the licence fees of 5 Private Markets were credited in deposit, while the fees of one Private Market and one Private Slaughter House are in arrears. The Standing Committee desire that such arrears should not be allowed to accumulate and the differences if any, should be settled early.

To meet the demand of the increased population in the City during the year, the total number ot animals brought to the Fair Ground at the Bandra Slaughter Houses was 15,00,030 against 14,07,745 broughf in the previous year. Of these animals, 6,222 against 4,843 in the last year, were rejected on ante-mortem examination.

The approximate weight of dressed meat of buffaloes, cows and bullocks, was 8,574 tons against 8,142 tons in the previous year, while that of sheep and goats was 9,247 tons against 9,155 tons in the last year. Of these, 43 tons and 23 tons, respcectively, against 31½ tons and 13 tons in the previous year, were condemned, giving percentages of .5 and .25, respectively, against .38 and .14 of the previous year.

The total amount of Slaughter Fees realised was Rs. 6 lacs against Rs. 5.01 lacs, Rs. 5.32 lacs and Rs. 5.51 lacs in the preceding three years. The total number of animals slaughtered during the year was 13.30 lacs against 12.13 lacs, 13.84 lacs and 15.02 lacs in the preceding three years.

During the year, the Corporation gave administrative approval to provide a new Slaughter House at Deonar and to reconstruct the existing one at Bandra. The Standing Committee hope that early measures will be taken by the Executive in the matter.

Public Health.

32. The overcrowded conditions of the City caused by the influx of population during and after the World War II continued not only unabated but were aggravated by the pouring in of refugees and evacuees from Pakistan. As a result of this overcrowding and living of a large mass of people on open lands and camps without adequate drainage or sanitary arrangements, epidemic diseases, like Plague, Small-pox, Cholera and Typhoid, were prevalent all round the year. According to the Rationing Authorities the population of the City was computed at 25.53 lacs. By the Census figures of 1941, the density of population worked out to 89 per acre, but it is estimated at 158 per acre on the increased population. All these factors rendered proper and prompt conservancy and sanitary services difficult. The communal disturbances in the City affected attendance at Municipal clinics, dispensaries, hospitals, etc., thereby depriving the suffering public of adequate facilities for medical relief.

The number of live births recorded during the year was 50,833 which was less by 2,636 than in the previous year and more by 7,043 than the average of the last ten years, the highest number (5,512) was recorded in December against 5,034 in January of the previous year's report. Of these births, 26,091 were males and 24.742 females, which gives the ratio of 105 males to 100 famales.

Calculated on the Census of 1941 the birth-rate was 34.1 per 1,000 while on the basis of actual population it was 19.2 as against 35.9 and 21.4, respectively, in the preceding year. The number of still-births was 2,934 against 3,097 ; 3,398 ; 3,374 and 3,129 in the preceding four years. Out of 53,767 births including 2,934 still-births recorded, 43,524 took place in Maternity Homes, which gives a percentage of 80.8 against 77.1 ; 79 ; 72.9 and 81.1 in the preceding four years.

During the year, the Corporation maintained five Maternity Homes with a complement of 129 beds. The number of mothers admitted in these Homes was 7,647 against 8,116 and 8,961 in the preceding two years, while the number of confinements which took place was 6,596 against 7,005 and 7,996 in the last two years. Of the confined cases, 1,363 were *prima parae* against 1,326 in the last year. Having regard to the incresing population of the City, the necessity of improving and extending this branch of our service cannot be denied. As a necessary adjunct to maternity benefits we have also to provide for ante and post-natal services so as to ensure proper care of expectant and nursing mothers and infants.

Ante and post-natal clinics were started by the Corporation in 1939 and are conducted by the Medical Officers in charge of the Maternity Homes assisted and aided by Health Visitors who during the year paid 54,744 visits in various districts against 47,382 ; 50,712; 60,997and 45,422 in the previous four years. They also attended 51 cases of confinements.

The total number of deaths recorded from all causes during the year was 37,619 including 314 unnatural deaths in communal disturbances and 37 deaths due to the " S. S. Ramdas " tragedy, against 41,264; 40,215 ; 41,882 and 34,165 in the previous four years. This total number, though it shows a decline over the figures of the last four years, was actually more by 1,079 than the average annual of the last five years and by 3,601 more than the average mortality of the preceding 10 years. According to Census of 1941, the death rate per 1,000 living persons worked out to 25.2 against 27.7 in the last year ; while the corresponding percentages according to the estimated population were 14.2 and 16.5, respectively. These percentages as per the Census figures for the years preceding the last year were 27 ; 28.1 and 22.9, respectively. Of the total (37,619) deaths, 20,573 were among males and 17,046 among females. Per 1,000 living, the male death-rate was 22 against 31 among females. The corresponding figures for the last two years were 24 and 23 for males and 33 for each of the two years for females. The cause of larger number of deaths and lower percentage among males than

among females is explained by the preponderance of males who constituted nearly 63 per cent. of the population. During the year, of the total number of deaths, 22.7 per cent. were among infants below 12 months. As in previous years the diseases of the respiratory system claimed the highest number of deaths, *viz.*, 10,632 which worked out to 7.1 per 1,000 of the population. The next highest group was Congenital Debility and diseases of early infancy which claimed 4,638 deaths and a percentage of 3.1. The next group was Old Age with 3,900 deaths and a rate of 2.6 per 1,000. Tuberculosis claimed 2,125 deaths against 1,914 deaths in the previous year with a rate of 1.4 against 1.3 per 1,000 in the last year.

Dispensaries.

33. In order to afford free medical relief, 19 Municipal dispensaries were maintained throughout the year. The number of new cases treated at these dispensaries was 1.67 lacs (1.10 lacs males and 0.57 lac females) against 1.79 lacs ; 2.10 lacs ; 2.21 lacs and 2.14 lacs in the preceding four years. The total attendance numbered 6.01 lacs against 6.45 lacs ; 7.37 lacs ; 7.71 lacs and 7.78 lacs in the past four years.

Rat Destruction.

34. It is reported that the total number of rats caught and destroyed during the year was 8.38 lacs which was the highest recorded in one year since 1912. In the last two years the number caught and destroyed was 6.79 lacs and 8.29 lacs.

During the year a campaign was started for elimination of flies (carriers of infection of Typhoid and other virulent diseases) by the appointment of a special staff for the purpose from September 1947. The Standing Committee will watch with interest the work done by the staff as a preventive measure to eradicate fly-borne diseases from the City, by an intensive campaign of insecticide spray operations in localities and at periods where and when conditions are favourable for their growth.

Venereal Diseases.

35. These diseases are a social evil and precautions are to be taken to minimise their evil effects as also to reduce the incidence of the disease by affording free medical treatment to all persons who have been victims thereof. For this purpose eight Municipal prophylactic centres are open day and night in different districts of the City with the pricipal Centre at Bellasis Road, at which during the year 8,131 persons againt 9,013 in the previous year attended for prophylaxis. The total attendance at other centres during the year was 1,056 against 1,025 in the last year. The average daily attendance at the Clinic at Bellasis Road for diagnosis and treatment was 523 while for prophylaxis it was 223. 191 persons attended the Clinic to ascertain whether there was any objection for their marriage and 129 persons to make sure that they were not suffering from any venereal disease.

Health Propaganda.

36. As Typhoid shows a tendency towards increase in the rainy season the Propaganda Section started its operations againt the disease before the arrival of monsoon and intensified them during the beginning of the season. Talks on preventive measures were given on Public Address system which were synchronised with the attendance of medical staff for anti-Typhoid inoculation and the response was very encouraging from big crowds attending the lectures. During the year, 102 such campaigns were held and 39,406 persons were inoculated on the spot. Health Education films were also displayed in open parks, labour areas, etc., as a means of visual instruction and in all 300 such shows were held where the total attendance was 89,110. New materials and equipment were either received as presents or purchased as the work of the section was intensified and became more and more popular.

City Fever Hospital.

37. In this Institution patients suffering from all kinds of infectious diseases, except Tuberculosis and Leposry, are admitted and treated The total number of patients admitted during the year was 7,234 which was the highest recorded in the history of the Institution ; the daily average was 161. The highest number of patients on any one single day was 286. Of the total number of patients, the number suffering from Cholera and Enteric Fever was 2,012 and 1,464, respectively, which figures are also the highest so far recorded. With the increaed population of the City, and deteriorating health conditions, there are greater possibilities of the spread of infectious diseases and the necessity of expanding the Institution cannot be overstressed.

K. E. M. Hospital.

38. Since 1944-45, the Hospital has an accommodation of 510 beds of which 325 are for men, 145 for women and 40 for children. With the popularity of the Institution due to expert medical and surgical assistance available thereat, the hospital remained fully occupied throughout the year. 18,152 new patients were admitted in the Hospital during the year againt 17,097 ; 16,221 ; 16,745 and 14,804 in the last four years. The daily average number of in-patients was 583.72 against 570.93 ; 556.30 ; 547.3 and 481.4 of the previous four years. The maximum number of in-patients on a single day was 670. This excess number over the scheduled strength of beds had necessarily to be accommodated on floors and naturally made nursing and care of patients extremely difficult. The average number of days each patient was resident was 11.74 against 11.08 ; 11.51 and 10.87 of the last three years. The total number of operations performed on in-patients was 6,854 against 6,576; 6,683; and 5,606 in the previous three years. The total number of in-patients treated at the Hospital during the year was 18,152 *plus* 540 of the previous years balance. Of these in-patients, 7,195 were cured, 5,997 discharged or relieved ; 3,140 left the Hospital against medical advice or were otherwise discharged, 1,820 died and 540 patients remained at the close of the year. The average cost per in-patient per day rose to Rs. 6 from Rs. 5-3-10 ; Rs. 4-12-8 ; Rs. 4-3-4 and Rs. 3-15-1 of the last four years. The average cost per in-patient admission amounted to Rs. 68-9-4 against Rs. 64-9-8; Rs. 58-2-10 ; Rs. 50-4-11 and Rs. 46-14-0 of the preceding four years.

The total number of new out-patients (including 27,612 casualty patients against 26,064 in the previous year) treated at the Hospital was 1.22 lacs against 1.15 lacs ; 1.50 lacs ; 1.46 lacs and 1.33 lacs of the preceding four years. The daily average number of new out-patients was 446.50, against 421.22; 474.42 ; and 414, of the previous three years, while the daily average number of out-patient attendance worked out to 1,446.60 against 1,557.19 ; 1,645 ; 1,542 and 1,505 of the previous four years. The total number of out-patient attendance during the year came to 4.31 lacs against 4.67 lacs, 5.08 lacs, 4.76 lacs and 4.71 lacs in the previous four years. The number of operations on out-patients during the year was 11,669 against 11,188 ; 11,921 ; 11,899 and 12,067 of the previous four years. There was a further rise in the average cost per out-patient attendance, which in the year of report was Re. 0-11-9 against Re.0-10-11; Re. 0-7-7 ; Re.0-7-11 and Re. 0-7-2 of the last four year's. Likewise the average cost per out-patient admission rose to Rs. 2-8-9 from Rs. 2-4-5 ; Rs. 1-9-6 ; Rs. 1-8-5 and Rs. 1-9-11 in the last four years. This average cost both in the case of in-patients and out-patients is exclusive of the cost on expensive drugs, blood transfusion, etc., met out of the Poor Box Charity Fund to the extent of Rs. 94,354. This Fund affords great financial relief to poor patients by providing them with various other surgical, etc., adjuncts which they could not afford to buy from their meagre earnings. During the year blood transfusion was provided to 828 cases against 789 cases in the previous year.

Municipal Group of Hospitals, Sion.

39. This Institution started functioning from 24th April 1947, with 50 beds which number was subsequently increased to 100 on 4th September 1947. As the medical staff was not appointed, direct admission of patients could not be done and all patients who did not require active treatment were transferred to the Hospital from the K. E. M. Hospital. The total number of in-patients thus received was 444 of whom 61 were again sent to the K. E. M. Hospital; 284 were discharged, 4 died and 95 remained at the end of the year.

The Out-patient Department was opened only from 2nd December 1947 and that was done chiefly to afford medical relief to refugees who had been accommodated in the temporary Camps in the vicinity of the Hospital.

Bai Yamunabai L. Nair Charitable Hospital and attached Institutions.

40. This is the first report of one complete year of management under Municipal administration of these Institutions. In the Nair Hospital 160 beds were maintained for treatment of various kinds of ailments and 3,926 in-patients were admitted of whom 2,418 were cured, 798 relieved, 189 died, 379 were otherwise discharged and 142 remained at the close of the year. The average number of in-patients per day was 136 and each in-patient was resident on an average for 12.5 days. The average cost per patient per day was Rs. 4-7-8.

The total number of out-patients treated at the Hospital was 55,908 and the average number of out-patients per day was 153.2. The average cost per out-patient per day was Rs. 1-3-10.

1,067 and 760 operations were performed, respectively, on in-patients and out-patients. Soon after the institution was taken over by the Corporation schemes for its expansion were undertaken for the facility of patients, students of the attached College, staff, etc., so as to run it on very efficient basis.

The Topiwalla National Medical College is attached to the Bai Yamunabai L. Nair Charitable Hospital and after it has been brought under Municipal Administration it has been affiliated to the Bombay University for pre-clinical course. The Provincial Government have agreed to give a grant-in-aid to the Corporation equal to the cost of management of the College. Since taking over the institution, schemes of expansion have been formulated and several of them have been executed to fulfil the requirements of University affiliation. Arrangements have therefore been made to purchase a large number of instruments and equipment. During the year there were 325 students in the College of whom 55 were lady students. The total expenditure incurred on the maintenance of the College was Rs. 1.01 lacs; the tuition, etc., fees received amounted to Rs. .74 lac. There is hostel accommodation for only 45 students.

The Nair Hospital Dental College possesses 26 Dental Chairs and two well equipped dental laboratories. It is recongnised for training in Dental Science by Provincial and Central Governments, as also by several Foreign University Dental Colleges. It teaches a four years' dental course leading to the College Diploma of L.D.Sc. (Bom.). In addition to training students in dentistry, the College runs a dental clinic. During the year there were 80 students including 18 lady students on the Roll, 13 students including 3 lady students passed the examination.

Seth G. S. Medical College.

41. During the year 82 fresh pupils were admitted of whom 81 were single and one married. Of the 632 students on the roll against 590 in the previous year, 142 were lady students and 70 post-graduate and research students against 133 and 70, respectively, of the previous year. Of 520 students against 505 of the last year sent up for various examinations. 288 passed against 292 in the previous year. 167 male and 28 lady students were accommodated in their respective hostels. Besides, 18 more lady students were housed in the Nurses' Home of the K. E. M. Hospital. Revenue derived by way of tuition fees, hostel rent, etc., was Rs. 1.58 lacs against Rs. 1.49 lacs; Rs. 1.42 lacs Rs. 1.35 lacs and Rs. 1.31 lacs in the previous four years, against which the total expenditure amounted to Rs.3.79 lacs against Rs. 3.28 lacs; Rs. 2.86 lacs; and Rs. 2.89 lacs of the last three years. The gross and net cost per student worked out to Rs. 675.2 and Rs. 394.5. Clinical instruction in diseases of children continued to be given at the Bai Jerbai Wadia Hospital for Children.

The Library collection of books was enriched by a munificent donation of the late Dr. A. P. Bacha whose Library of about 3,000 books on medical and allied subjects in 26 book cases worth over a lac of rupees was presented to the College by his sons and trustees. Likewise, another munificent donation of a lac of rupees was received by the College from Dr. P. C. Bharucha, Honorary Consulting Physician of the Institutions. With these two handsome donations, it is expected that the College Library will be one of the best—if not the best, medical library in our Country.

Education.

42. In spite of unfavourable circumstances created in the City by political situation in the Country in the year of report, there was a substantial rise in the number of pupils on the rolls, being 1,15,599 against 1,02,510 in the previous year. This is explained by the fact that in the previous year the number on the roll at the close of the year had gone down considerably due to continued disturbances which had started in September 1946. The number on the roll in the previous two years preceeding the last year was 1,20,713 and 1,18,646, respectively. During the year of report the number of Schools and Classes showed an improvement by 2 and 1, respectively, being 399 Schools and 26 Classes against 397 and 25 in the last year; 392 and 24 in the year 1945-46 and 389 and 23 in the year 1944-45. During the year 2 additional schools for Tamil, Telugu, Kanarese, etc., group and 1 more school for English Primary group, were opened, while one school was reduced in the Gujarati Girls' group. One additional Class was opened for the group of Gujarati Boys' Schools. The total number of teachers at the end of the year was 3,590 against 3,687; 3,675; 3,383 and 3,003 in the preceeding four years. Of this number, 2,967; 453 and 170 were, respectively, ordinary permanent, non-permanent and special (including part time) teachers.

Against the above statistics of Municipal Schools, the statistics of Aided Schools provide interesting reading. While the number of Aided Schools during the year remained the same as in the last year, *viz.*, 216, there was a marked increase in the number of pupils in those schools at the end of the year, being 49,363 against 47,451;46,476; 42,464 and 40,008 in the last four years. Likewise, the number of other recognized schools not receiving grants-in-aid from the Municipality was 16 with a complement of 4,489 students against 2,682 with the same number of schools in the preceding year. The total number of teachers in Aided Schools including Special and Part-time teachers was 2,091 against 2,019 in the previous year.

The census of children of compulsoy school-going age not attending schools revealed that 15,664 children did not attend any school; of this number only 3,925 were brought to schools. It is very disappointing to note that in spite of the Corporation spending a large amount for imparting compulsory primary education to children of the City, such a large number could not be brought to school.

It is reported that the total Municipal grant for the year amounted to Rs. 83.81 lacs against Rs. 69.29 lers Rs. 60.07 lacs, Rs. 52.71 lacs and Rs. 46.43 lacs in the previous four years. It is not shown in the report whethac this grant is inclusive of the grants made by the Corporation in the following year from time to time for payment of adjustment of salaries of teachers in the revised scales of pay and also Dearness Allowance at increased rates. Against this annually increasing Municipal grant, the Government grant-in-aid of Rs. 9.75 lacs towards Primary Education sinks into insignificance and furthermore,from that grant is to be deducted an amount of Rs. 0.29 lac specially meant only for the English Teaching Aided Schools, control over which has been transferred to the Schools Committee since 1943-44. In their past reviews the Standing Committee have repeatedly impressed upon Government the necessity of making a substantial addition to their annual grant-in-aid. The Committee would here once again desire to reiterate their request to Government for an increased grant-in-aid for Primary Education particularly when additional burden in the shape of revised and raised scales of pay and increasing rate of Dearness Allowance has to be borne by the Corporation.

The average cost per pupil on the number of pupils on the rolls (1,15,599) came to Rs. 69.8 against Rs. 64.01 ; Rs. 47.11 ; Rs. 42.2 and Rs. 44.5 in the preceding four years. The average cost calculated on the average number of pupils on the rolls, *viz.*, 1,12,406 worked out to Rs. 71.5 against Rs. 58.04 ; Rs. 48.04 ; Rs. 46.7 and to Rs. 47.9 in the preceding four years. If the expenditure of Rs. 0.86 lac met out of the Municipal General Fund on the Schools Committee's Office is taken into consideration, then the above two averages will increase to Rs. 70.3 and Rs. 72.3, respectively.

To the Aided Schools a net amount of Rs. 3.54 lacs was paid as grants-in-aid against Rs. 3.56 lacs; Rs. 3.29 lacs ; Rs. 2.82 lacs and Rs. 2.12 lacs in the previous four years. This amount was paid after applying a cut of 18¾ per cent. on the total assessed amount of Rs. 4.27 lacs against Rs. 3.78 lacs of the previous year when the cut applied was only 6¼ per cent. The total expenditure incurred by these schools amounted to Rs. 27.89 lacs against Rs. 23.72 lacs ; Rs. 22.97 lacs and Rs. 17.44 lacs in the preceding four years. With the average number of 48,149 against 46,907 in the last year of pupils on the rolls of these Aided Schools, the average cost per pupil works out to Rs. 57.9 against Rs. 50.5 ; Rs. 49.9 and Rs. 42.7 in the preceding three years. This average compares very favourably with the Municipal average. The cost per pupil to the Municipality by way of grant worked out to Rs. 7.7 against Rs. 8.2 ; Rs. 7.5 and Rs. 6.9 in the previous three years.

The Teaching of Hindustani in Municipal Schools was continued and during the year abour 41,000 pupils as against 30,900 in the last year belonging to the Marathi and Gujarati Boys and Girls schools came within the scope of this Scheme. 803 pupils against 1,128 in the last year received instructions in vocational subjects at 13 different Central Schools against 12 of the last year. The fall in the number of pupils in spite of an increase by one in the number of schools teaching these useful subjects has not been explained in the report. The results of the examination in these subjects appear to be satisfactory from the fact that out of 172 pupils who appeared for the Carpentry Examination, 127 were successful. Similarly, out of 207 pupils who appeared for the Government Tailoring Examination 145 came out successful.

Municipal Printing Press.

43. The acute shortage of paper experienced in the previous year not only continued but was aggravated due to increasing demands for printing from Municipal Departments for normal purposes for printing items for holding the General Elections as also for the B. E. S. & T. Committee. Against the demand of 60 tons of paper, Government released only 35 tons which did not include any bleached paper. 17 tons of paper required for the B.E.S. & T. Committee could not be had even from stocks at Government Disposal, while against our requirements of 45 tons of paper for General Election purposes, Government released only 18 tons which supply was received in March 1948, *i.e.*, after the General Elections. The Department consumed during the year 75.50 tons of paper against 60.75 ; 43.25 ; 40.5 ; 31 and 37 tons during the preceding quinquennium.

The voters' lists consisting of abour 9 lac names were got printed by entrusting the work to 15 Presses at rates varying from Rs. 18 to Rs. 22 per page.

The transactions of the Press closed with a surplus of Rs. 1,817 on the total turnover of Rs. 3.51 lacs against Rs. 3.04 lacs, Rs. 2.15 lacs and Rs. 2.18 lacs of the previous three years, when the surpluses were Rs. 3,617, Rs. 2,646 and Rs. 2,513, respectively. The decrease in the surplus in spite of increase in the turnover during the year may be attributed to high cost of paper, materials and wages. The labour staff at the close of the year consisted of 159 workers against 148 ; 136 ; 120 ; 110 and 113 of the last quinquennium.

Legal Assistant's Department.

44. Although the department has been in existence for the last 17 years, having been created in 1931 and strengthened by additional staff from time to time on plea of increase in work, only a very brief report of its working is included in the Report. It is so brief as to be of practically no guidance to determine the scope and the extent of its work. In their past reviews, the Standing Committee have been consistently asking for more detailed information of its working, but that appears to have been avoided for reasons not disclosed. From the report it appears that during the year, the department received 3,500 files against 4,340 files in the last year. Likewise, it is said that 2,090 letters against 2,096 in the last year were written to outside parties or their legal advisors while opinions or advices were given on abour 173 documents. The report contains figures about High Court Suits, Revision Applications, Criminal Appeals, Small Causes Court References, Police Court References, etc. It is said that 27 Assessment appeals were attended to and dates for adjournment were obtained in 27 cases.

Audit.

45. This year also the reports of the Municipal Chief Auditor have not been included in the Administration report. The Municipal Chief Auditor has since submitted his reports which will be forwarded to the Corporation in due course.

Acknowledgment.

46. In conclusion, the Standing Committee, desire to record their high appreciation of the very valuable services rendered by Mr. B. K. Patel, I.C.S., whose high administrative ability and financial acumen were of great help to the Committee in the administration of the civic affairs of the Corporation.

MUNICIPAL CORPORATION OFFICE,
Bombay, 26th January 1949.

GANPATISHANKAR N. DESAI,
Chairman, Standing Committee.

Administration Report of the Municipal Commissioner for the City of Bombay for the year 1947-48.

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CORPORATION, STANDING COMMITTEE AND IMPROVEMENTS COMMITTEE.

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CORPORATION.

Mr. Ardeshir Pestonji Sabavala, B.A., Barrister-at-Law, was elected Mayor at the Meeting of the Corporation, held on the 1st April 1947, and he held that office throughout the year.

2. One hundred and fourteen Meetings of the Corporation including seven Special and Adjourned Special Meetings of the Corporation and one hundred and seventy Meetings of the Committees and four Meetings of the Sub-Committees other than the Standing Committee and the Improvements Committee, were held during the year. Councillors also attended two Receptions for according Civic Addresses (*i*) to the Hon'ble Dr. Rajendra Prasad, President, Constituent Assembly of India, and President, Indian National Congress, and (*ii*) to the Hon'ble Sardar Vallabbhai Patel, Deputy Prime Minister, Dominion of India, on their visit to Bombay.

3. The changes that took place in the personnel of the Corporation during the year were as follows :—

Mr. Alimahomed Abubakar Baigmahomed ceased to be a councillor from 7th March 1948.

Mr. J. S. Bharucha, became *ex-officio* Councillor from 15th August 1947, in place of Mr. A. E. Caffin, O.B.E., J.P., who relinquished the office of the Commissioner of Police from that date.

Mr. F. M. Surveyor, B.Sc.M.Inst.C.E., became *ex-officio* Councillor as Chairman, Bombay Port Trust Board, *vice* Sir B. Rama Rao during the latter's absence on leave from 19th April to 3rd June 1947 and again from 6th July to 15th September 1947.

Mr. V. S. Bhide, I.C.S., became *ex-officio* Councillor from 15th September 1947, in place of Mr. F. M. Surveyor who relinquished the office of the Chairman, Bombay Port Trust Board, from that date.

Mr. N. C. Patel, B.E., B.S.E., became *ex-officio* Councillor from 30th September 1947, in place of Mr. J. F. Paisley, B.E., I.S.E., who relinquished the office of the Executive Engineer, Presidency Division, Bombay, from that date.

Mr. Ratilal T. Thakkar died on 28th June 1947.

STANDING COMMITTEE.

4. Mr. V. B. Gandhi, M.A., was elected the Chairman of the Standing Committee, at their Meeting, held on the 2nd April 1947, and he held the office throughout the year.

5. The changes that took place in the personnel of the Standing Committee were as follows :—

Dr. G. R. A. Sheikh, B.Sc., M.B., B.S., J.P., resigned his seat on the Committee on 1st May 1947 and Mr. M. Omar E. Patel, B.A., LL.B., was elected a member of the Standing Committee on 16th June 1947, in his place.

6. Fifty-five regular Meetings including Adjourned Meetings and Thirty Special Meetings of the Standing Committee and six meetings of the Sub-Committees thereof were held during the year.

7. There were Forty-five attendances of the members of the said Committee for audit of Municipal Accounts and Eighty-nine for signing of cheques.

IMPROVEMENTS COMMITTEE.

8. Mr. Khimji M. Bhujpuria was elected Chairman of the Improvements Committee at their Meeting, held on 2nd April 1947, and he held that office throughout the year.

9. The changes that took place in the personnel of the Improvements Committee were as follows :—

Mr. Mohommadali S. Manyar resigned his seat on the Committee on 1st May 1947 and in his place Dr. G. R. A. Sheikh, B.Sc., M.B., B.S., J.P., was elected a member on 16th June 1947.

Mr. K. A. Subramanian resigned his seat on the Committee on 1st May 1947 and in his place Sardar Pratapsing Lakshmidas was elected a member on 5th May 1947.

Mr. R. K. Achrekar resigned his seat on the Committee from 1st April 1947 and, in his place Mr. Vasantram Jamietram, B.A., LL.B., was elected a member on 7th April 1947.

10. Twenty-four Ordinary Meetings including Adjourned Meetings of the Committee and Five Meetings of the Sub-Committee thereof were held during the year.

LIST OF COUNCILLORS WHO HELD OFFICE ON THE 31st MARCH 1948.

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MR. A. P. SABAVALA, B.A., BARRISTER-AT-LAW, **Mayor**;

MR. V. B. GANDHI, M.A., *Chairman, Standing Committee*;

MR. KHIMJI M. BHUJPURIA, *Chairman, Improvements Committee*;

DR. T. R. NARAVANE, B.A., A.V.V. (T.U.), L.M. (Rot.), Z.C.S. (Vienna), *Chairman, Schools Committee*;

ACHREKAR, MR. R. K.
ALIMAHOMED, MR. A. K.
ALLABUX, KHAN BAHADUR MOHAMEDALLY.
ALVA, MRS. VIOLET, M.A., LL.B., M.L.C.
ANKLESARIA, DR. D. T., M.B., B.S.
BHARUCHA, MR. J. S. (*Police Commissioner*).
BHARUCHA, MR. NAUSHIR C., M.B.E., M.A., LL.B.
BHATT, MR. MADHAVLAL M.
BHIDE, MR. V. S., I.C.S., (*Chairman, Port Trust Board*).
BIJJA, MR. Y. L.
BORADE, MR. M. R.
BORKAR, MR. K. L.
CARCARY, MR. D. D.
CHIMANLAL MANCHUBHAI, MR.
CHINAI, MR. P. M.
CHOKSY, LT. COL. J. N., M.B., B.S.
CHOWDHERY, MR. ZULMIRAM J.
COCKAINE, MR. C. B., M.L.A.
COLLACO, DR. J. A., L.M.& S.
CURSETJI, DR. KHURSHED J. J., B.A., M.B., B,Hy., M.R.C.S. (Eng.), L.R.C.P. (Lond.).
CURTAY, MR. A. L.
DALAL, MR. B. A., B.A., LL.B., S.T.C.
DARVESH, MR. SULEMAN MIA AHMED.
DAVAR, PROF. SOHRAB R., BARRISTER-AT-LAW, M.L.C.
DESAI, MR. GANPATISHANKAR N.
DESAI, MR. MOHANLAL M., B.A., LL.B.
DEVJI RATTANSEY, MR.
DONDE, MR. M. V., B.A.
DONGRE, MR. S. D.
D'SOUZA, DR. JOS. ALBAN, B.A., L.M.&S., M.L.A.
GHARPURE, MR. D. R., M.A., B.SC.
GODBOLE, MR. M. V., B.A.
GOLE, MR. R. A.
GOR, MR. N. J., B.A., LL.B.
GOREGAOKER, MR. K. H., B.A., LL.B.
GOVINDJEE, MR. V. D.
HUTHEESING, MR. G. P., B.A. (OXON), BARRISTER-AT-LAW.
JAMNADAS DWARKADAS, MR., B.A.
JOGLEKAR, MR. K. N.
JOSHI, MR. MANCHERJI E., L.C.E., M.I.E.
KAPADIA, MR. MOTICHAND G., B.A., LL.B.
KARANJIA, SIR BEHRAM N., Kt., M.L.C.
KARAPURKAR, MR. V. A., F.C.I. (Eng.).
KHADILKAR, MR. Y. K.
KHANDRAY, MR. B. M.
KILLEDAR, MR. M. M., M.L.A.
KORGAONKAR, MR. V. B.
MAHADESHWAR, MR. S. B.
MAHESHWARI, MR. B. N.
MANYAR, MR. MOHOMMADALI S.
MASCARENHAS, DR. M. U., L.M.& S.
MASTER, MR. NAGINDAS T., B.A., LL.B.
MEHTA, MR. ASOKA R.
MEHTA, MR. JAMNADAS M., M.A., LL.B., BARRISTER-AT-LAW.
MEHTA, DR. SORAB P., B.A., L.M.& S.
MIRAJKAR, MR. S. S.
MIRZA AKHTAR HASAN, MR. B.A., L.L.B, M.L.A.
MODI, MR. DHIRAJLAL C.
MOIDEEN BAWA, MR.
MORARJI, MR. GORDHANDAS G.
MUNSHI, MR. FATEHKHAN A.
MUNSHI, KHAN BAHADUR R. F., B.A. (Cantab.), BARRISTER-AT-LAW.
NAGVEKAR, MR. V. M.
NARBHERAM NARSHIDAS, MR.
NARIMAN, MR. KHURSHED F., B.A., LL.B.
PANDIT, MR. Y. G.
PARIKH, MR. NATHALAL D.
PATEL, MR. DAHYABHAI V.
PATEL, MR. GORDHANBHAI I., B.A.
PATEL, MR. I. S., L.A.A., D.Com.
PATEL, MR. M. OMAR E., B.A., LL.B.
PATEL, MR. N. C., B.E., B.S.E. (I), (*Executive Engineer, Presidency Division*).
PATIL, MR. S. K.
PAVRI, DR. HOMI F., M.C.P.S., M.B., B.S.
PODAR, MR. RAMNATH A., M.L.A.
PRADHAN, DR. MRS. CHAMPUBAI D., M.B., B.S.
PRATAPSING LAKSHMIDAS, SARDAR.
PUJARI, MR. L. P.
PUPALA, MR. NARSINGRAO C.
RAJAB, MR. M. U., M.L.A.
RAJADHYAKSHA, DR. B. H., M.B., B.S.
RAMZAN, MR. FATEHMAHOMED HAJI.
RATHOD, MR. B. N.
ROWJEE, MR. M. I.
SAHER, DR. DADIBA N., L.M.& S.
SALEBHOY ABDUL KADER, MR.
SERANG, MR. M. E.
SETH, MR. MANILAL J.
SHAH, MR. CHIMANLAL C., M.A., L.L.B.
SHAH, MR. COOVERJI J.
SHAH, MR. K. K., B.A., LL.B.
SHEIKH, DR. G. R. A., B.SC., M.B., B.S.
SHIRODKAR, MR. R. K.
SINGH, MR. KASHI PRASAD.
SONAVANE, MR. T. H., B.A. (HONS.), LL.B.
SOONDERDAS MORARJEE, MR.
SUBRAMANIAN, MR. K. A.
SUKTHANKAR, DR. MRS. MALINIBAI B., M.B., B.S.
TALPADE, MR. M. N., B.A., LL.B.
TATNIS, MR. R. K.
THAKKAR, MR. SHIVDAS C.
TULLA, MR. V. R., B.Ag.
TYABJI, MRS. KHADIJA SHUFFI, M.L.A.
VAGH, MR. R. S.
VAKHARIA, MR. MANEKLAL N.
VASANTRAM JAMIETRAM, MR. B.A., LL.B.
VELINKAR, MR. V. S., B.A., BARRISTER-AT-LAW.
WORLIKAR, MR. V. B.
YAGNIK, MR. BHANUSHANKER M.

MEMBERS OF THE STANDING COMMITTEE WHO HELD OFFICE AS ON 31st MARCH 1948.

MR. V. B. GANDHI, M.A., (*Chairman*).

ALLABUX, KHAN BAHADUR MOHAMEDALLY.
BAIGMAHOMED, MR. A. A.
CHIMANLAL MANCHUBHAI, MR.
DESAI, MR. GANPATISHANKAR N.
GHARPURE, MR. D. R., M.A., B.SC.
GODBOLE, MR. M. V., B.A.
JAMNADAS DWARKADAS, MR. B.A.
KARAPURKAR, MR. V. A., F.C.I. (Eng.).
NAGVEKAR, MR. V. M.
PANDIT, MR. Y. G.
PATEL, MR. GORDHANBHAI I., B.A.
PATEL, MR. I. S., L.A.A., D.Com.
PATEL, MR. M. OMAR E., B.A., LL.B.
SOONDERDAS MORARJEE, MR.
VELINKAR, MR. V. S., B.A., BARRISTER-AT-LAW.

MEMBERS OF THE IMPROVEMENTS COMMITTEE WHO HELD OFFICE AS ON 31st MARCH 1948.

MR. KHIMJI M. BHUJPURIA, (*Chairman.*).

BIJJA, MR. Y. L.
GOREGAOKER, MR. K. H., B.A., LL.B., J.P.
JOSHI, MR. MANCHERJI E., L.C.E., M.I.E.
KAPADIA, MR. MOTICHAND G., B.A., LL.B.
KORGAONKAR, MR. V. B.
MASCARENHAS, DR. M. U., L.M.& S., J.P.
PAVRI, DR. HOMI F., L.M.& S.
PRATAPSING LAKSHMIDAS, SARDAR.
PUPALA, MR. NARSINGRAO C.
SALEBHOY ABDUL KADAR, MR.
SERANG, MR. M. E.
SHAH, MR. K. K., B.A., LL.B.
SHEIKH, DR. G. R. A., B.SC., M.B., B.S.
VAGH, MR. R. S.
VASANTRAM JAMIETRAM, MR., B.A., LL.B.

LIST OF MEMBERS OF THE SCHOOLS COMMITTEE FOR THE YEAR 1947-48.

Serial No.	Name of the Members.	Remarks.
1	Dr. T. R. Naravane, B.A., A.V.V., (T.U.), L.M. (Rot.), Z.G.S., (Vienna), *(Chairman)*.	
2	Mr. Suleman M. A. Darvssh.	
3	Mr. Dhirubhai M. Desai, B.A., B.T., Dip. Ed. (Edin).	
4	Mr. Ganpatishankar N. Desai.	.. Resigned from 1-5-1947.
5	Mrs. Maniben N. Desai, G.A.	
6	Mr. Y. K. Khadilkar,	
7	Mr. P. R. Lele, B.A., LL.B.	
8	Mr. Mirza Akhtar Hasan, B.A., LL.B., M.L.A.	
9	Mrs. Sulochana M. Modi, M.A.	
10	Mr. Gordhandas G. Morarji	.. Resigned from 23-6-1947 and reappointed on 18-11-1947.
11	Dr. B. H. Rajadhyaksha, M.B.B.S.	
12	Mr. Kashi Prasad Singh.	
13	Mr. V. R. Tulla, B. Ag.	
14	Mrs. Khadija Shuffi Tyabji, M.L.A., J.P.	
15	Mr. Vasudeo Balu Worlikar.	
16	Mr. Bhanushankar M. Yagnik.	
17	Mr. T. H. Sonavane, B.A., (Hons.), LL.B.	.. Appointed on 5-5-1947.
18	Mr. S. B. Mahadeshwar	.. Appointed on 7-7-1947 and resigned from 10-11-1947.

Mr. B. K. Patel, B.A.,(Cantab), I.C.S., held the office of the Municipal Commissioner throughout the year.

Dr. J. F. Bulsara, M.A., LL.B., (Bom.), Ph. D. (London) held the office of the Deputy Municipal Commissioner during the year except for the period from 5th May 1947 to 30th May 1947 when he was on leave, and again from 23rd February 1948 when he was on 7½ months' leave on a study tour of Europe and America and when Mr. L. S. Kagal, B.A. (Hons.), LL.B., Assessor and Collector, acted for him.

Mr. H. B. Shivdasani, M.A., (Cantab), J.P., held the office of the Deputy Municipal Commissioner (Improvements), during the year except for the period from 1st May 1947 to 30th June 1947 when he was on leave and Mr. A. R. Manerikar, B.E., A.M.I.E., Estate Agent and Land Manager, acted for him.

II.—Heads of Departments.

Miss Kapila T. Khandvala, B.A., B.T. (Bom.), M.A. (U.S.A.) held the post of the Secretary, Schools Committee during the year except for the period from 3rd January 1948 to 9th January 1948 when she was on leave,

Mr. E. A. Nadirshah, O.B.E., B.A., (Bom), B.E., (Bom.), B.Sc., (Eng. Edin.), M. Inst C.E., (Lond.), M.I.E. (India), F.I.S.E. (Lond.), J.P., who held the post of the Hydraulic Engineer was on leave from the commencement of the year (preparatory to retirement) and retired on 19th February 1948 when Mr. B. P. Surti, B.E. (Bom.), B.Sc., (Lond.), A.C.G.I. (Lond.), A.M.I.E. (India) acted for him during the period of leave of Mr. Nadirshah and thereafter continued to act as a temporary Hydraulic Engineer till the end of the year.

Dr. B. C. DasGupta, B.S.c., (Hons.), (Cal.), M.B. (Cal.), M.R.C.P. (Ireland), D.P.H. (Lond.), Executive Health Officer who was permitted under Corporation Resolution No. 818, dated the 16th October 1947 to take up an appointment as Deputy Director General of Health Services under Government of India held the post upto 19th October 1947 and availed himself of the extraordinary leave from 20th October 1947. Dr. B. R. Master, M.B.B.S., B. Hy. (Bom), Assistant Health Officer acted for him from 20th October 1947 to 30th October 1947 and Dr. K. N. Chowksey, M.B.B.S. (Bom.), D.P.H. (Lond.), D.T.M. (London School of Tropical Medicine) Assistant Health Officer acted from 1st November 1947 during the remaining period.

Mr. B. B. Patkar, B.E. (Civil), A.M.I.E., (India), held the post of the Deputy City Engineer during the year except for the period from 20th October 1947 to 19th January 1948 when he was on leave and Mr. K. H. Dastur, B.E. (Civil), A.E. 1st Grade Architecture, acted for him during the period. Mr. S. D. Patel, B.A., B.E. (Civil), A.M.I.E., A.E. II Grade was appointed officiating A.E. 1st Grade in place of Mr. Dastur during the same period.

Mr. A. R. Manerikar, B.E., A.M.I.E. held the post of the Estate Agent Land Manager during the year except for the iperod from 1st May 1947 to 30th June 1947 when he was appointed officiating Deputy Municipal Commissioner (Improvements), and Mr. S. M. Desai, B.E., Deputy Estate Agent and Land Manager acted for him.

Mr. L. S. Kagal, B.A., (Hons.), LL.B., held the post of the Assessor and Collector during the year except for the periods from 5th May 1947 to 30th May 1947 and from 23rd February 1948 to 31st March 1948 when he officiated as Deputy Municipal Commissioner and from 31st May 1947 to 22nd August 1947 when he was on leave and Mr. S. V. Vartak, B.A., Deputy Assessor and Collector acted for him on these occasions.

In the post of A.E. 1st grade created under Corporation Resolution No. 641, dated the 27th August 1946, Mr. G. P. Dandekar, B.E., (Civil), A.M.I.E., A.E. II grade Buildings was appointed from 24th March 1947 and he continued to hold the post throughout the year.

In the new department created for the preparation of the Master Plan for Greater Bombay Region, Mr. V. N. Ambdekar, A.R.I.B.A., A.I.I.A., A.E. III Town Planning, was appointed as Architect and Mr. S. D. Patel, B.A., B.E., (Civil), A.M.I.E. (India), A.E. II grade as Engineer from 3rd July 1947 to the end of the year except for the period from 20th October 1947 to 19th January 1948, when Mr. Patel officiated as A.E. 1st Grade *vice* Mr. Dastur.

Mr. S. M. Desai, B.E., held the post of the Deputy Estate Agent and Land Manager during the year except for the period from 1st May 1947 to 30th June 1947 when he was appointed as Officiating Estate Agent and Land Manager.

Dr. B. A. Contractor, G.B.V.C., held the post of the Superintedent of Markets during the year except for the period from 21st October 1947 to 20th December 1947 when he was on leave and Mr. J. P. Pereira G.B.V.C. Senior Assistnt to the Superintendent acted for him.

Mr. A. P. Saldhana, B.A., held the post of the Superintendent of Licences Shops and Establishments upto 30th April 1947 ; from 1st May 1947 he was on leave prior to retirement, when Mr. A. H. K. Shaikh, Controller of Stores, acted for him during the remaining period except from 10th February 1948 to 31st March 1948, when he ws on leave and Mr. Razaali B. Shindgi, B.A., Personal Assistant to the Municipal Commissioner, acted for him from 20th February 1948 to 31st March 1948. During the intervening period from 10th February 1948 to 19th February 1948 Mr. V. G. Sabnis, Assistant Superintendent of Licences managed the work.

Mr. A. H. K. Shaikh held the post of the Controller of Stores upto 30th April 1947 and from 1st May 1947 was appointed officiating Superintendent of Licences, Shops and Establishments, and Mr. M. V. Nabar, B.A., LL.B., Acting Personal Assistant to the Municipal Commissioner, acted for him during the remaining period.

Mr. D. I. Ahmadi, B.Ag. held the post of the Superintendent of Gardens during the year except for the period from 27th August 1947 to 15th September 1947 when he was on leave and Mr. J. N. Barowa, Assistant Superintendent of Gardens, was in chrge of the duties in addition to his own.

Mr. S. C. Upadhyaya, M.A., LL.B., held the post of the Curator, Victoria and Albert Museum and the Chief Librarian during the year except from 24th December 1947 to 29th December 1948 when he attended the Annual meeting of the Museums' Association, Mr. L. B. Samant, Museum Assistant, and Mr. B. V. Mahajan, Senior Clerk, looked after the work of the Museum and Libraries respectively during the period.

The following Officers continued in their respective appointments through out the year.

Mr. B. V. Mody, B.A., (Hons.), J.P., as Municipal Secretary.

Mr. R. C. Mehta, F.S.A.A., R.A., as Municipal Chief Auditor.

Mr. N. V. Modak, C.I.E., B.E., M.I.C.E. (India), F.R. San. I&C., J.P., as Special Engineer.

Dr. R. G. Dhayagude, M.D. (Bom)., as Dean, K.E.M. Hospital and G.S. Medical College.

Mr. J. K. Daruvala, B.A., (Hons.), A.S.A.A., as Chief Accountant.

Mr. N. Coombs, I.C.C. (Eng.), as Chief Officer of Fire Brigade.

Mr. N. R. Junnarkar, B.E., Mech. (Bom.), certified I.I.S.C. (Bangalore.), A.M.I.E.E., (Lond.), A.M.I.E. (India), as Mechanical Engineer

Dr. D. D. Variava, M.B.B.S., (Bom), F.R.C.S, (Edin), as Dean, Topiwala National Medical College and Superintendent Bai Yamunabai L. Nair Hospital.

Dr. V. M. Desai, D.D.S., F.I.C.D., as Dean, Nair Hospital Dental College.

Mr. T. V. Doriaswamy, B. Com., as Test Audit Officer.

Mr. M. B. Maniar Solicitor (Lond.), as Legal Assistant.

Mr. K. R. Kelkar, B.A., as Election and Town Duty Officer.

III.—FINANCIAL.

(000 Omitted)

Estimates and Actuals of Income and Expenditure.

According to the Budget Estimates the income, expenditure and deficit for the year were estimated at Rs. 579.53 lakhs (Inclusive of Rs. 30 lakhs Grant-in-aid from Government *plus* Rs. 8,68, lakhs transfer from Post War Reconstruction Fund), Rs. 579.72 lakhs and Rs. 0.19 lakh respectively. However, the actual income realised was Rs. 670.06 lakhs and the expenditure incurred was Rs. 566.13 lakhs, leaving a surplus of Rs. 103.93 lakhs at the end of the year.

Variation in Income.

The actual income during the year, *viz.*, Rs. 631.69 lakhs (exclusive of Rs. 30.00 Grant-in-aid from Government and Rs. 837 transfer from Post War Reconstruction Fund) shows an increase of Rs. 94.88 lakhs as compared with that of the previous year, *viz.*, Rs. 536.81 lakhs. The total increases were Rs. 108.05 against which there were decreases amounting to Rs. 13.17 lakhs. The main increases were under General Tax Rs. 15.57, Town Duties Rs. 71.57, Grant-in-aid in respect of fines for offences against Law Rs. 0.79, Interest and Profit on Investment of Surplus Loan and other balances Rs. 0.66, Public Health Rs. 0.33, Medical Relief and Education Rs. 0.51, Roads, Drains and Sewers Rs. 4.45, Building Land Acquisition Rs. 0.67, Fire Brigade Rs. 0.75, Licensing Rs. 5,08, Gardens and Open Spaces Rs. 0.04 Markets etc. Rs. 7,16 Contribution from Capital Fund to Revenue on account of Loan Works Staff Rs. 0.45, Rebate from Government on account of Collection of Urban Immoveable Property Tax in the City Rs. 0.02. The decreases were under Grant-in-aid of the fees and Land, Conveyance, etc. Rs. 0.07, Interest and Profit on Plant and Machinery Depreciation Fund Rs. 0.03, Miscellaneous Rs. 0.32, Water Works Rs. 12.54, Education—Primary Rs. 0.07, Street Cleansing etc., Rs. 0.11 and Mechanical Rs. 0.3.

Details of Expenditure.

The actual expenditure for the year, *viz.*, Rs. 566.12 shows an increase of Rs. 71.20 over that of the previous year, *viz.*, Rs. 494.92 (exclusive of the amount of Rs. 17.00 credited to Post War Reconstrution Fund). There were increases in expenditure under almost all the heads, the gross increases for the year being Rs. 71.24, *viz.*, Rs. 4.32 under General Supervison, Rs. 4.15 under Water Works, Rs. 14.59 under Education Primary, Rs. 0.16 under Education Secondary, Rs. 2.21 under Public Health, Rs. 9.29 under Medical Relief, Rs. 10.27 under Street Cleansing, Rs. 710 under Roads, Drains and Sewers Rs. 0.61 under Mechanical, Rs. 0.99 under Building, Land Acquisition, etc., Rs. 2.46 under Fire Brigade - Rs. 1.19 under Licensing, Rs. 0.37 under Gardens, etc., Rs. 0.70 under Markets etc., Rs. 3.04 under Provident Fund, etc., Rs. 8.66 under Dearness Allowance, Rs. 0.22 under Grant-in-aid to Public Institutions and Rs. 0.91 under Measures for civil Defence counterbalanced by the decreses in expenditure amounting to Rs. 0.04, *viz.*, Rs. 0.03 under contribution towards Improvement Schemes and Rs. 0.01 under Urban Immoveable Property Tax on Municipal properties in the City.

Incindence of taxation.

The incidence of taxation per head for the year was Rs. 36-2-6 against Rs. 30-9-6 for the preceding year.

Surplus Cash Balance.

The net unhypothecated Surplus Cash Balance on 31st March 1948, (including the minimum required by law), was Rs. 104.87 lakhs against Rs. 50.19 lakhs on 31st March 1947.

Stores on hand. The balance of stock including Surplus and Obsolete on 31st March 1948 was valued at Rs. 22.68 lakhs against Rs. 12.16 lakhs at the close of 1946-47 showing an increase of Rs. 10.52 lakhs.

Expenditure Grants. The total amount of grants (including Renewed and Additional Grants) was Rs. 705.37 lakhs while the expenditure amounted to Rs. 566.13 lakhs, leaving an unexpended balance of Rs. 139.24 lakhs. Out of this, grants aggregating to Rs. 86.62 lakhs are reserved for being renewed for expenditure in 1948-49 while Rs. 52.62 lakhs are treated as savings.

Additional grants sanctioned during the year aggregated to Rs. 77.77 lakhs against Rs. 55.57 lakhs in 1946-47.

Loan Works Expenditure. The expenditure on Capital Works during the year amounted to Rs. 48.40 lakhs against Rs. 173.54 lakhs provided for in the revised estimates under this head.

Loan floated during the year. During the year, loans amounting to Rs. 95.00 lakhs were raised, *viz.*, Rs. 20 lakhs being the balance of the Loan of Rs. 54 lakhs for 1946-47 at 3 per cent., and Rs. 75 lakhs being the Loan for 1947-48 at 3¼ per cent. with 30 years' currency. In addition to this, Loan advances were taken from the Special Funds to finance the expenditure on Plant and Machinery and for Renewal of Road Surfaces for which no provision existed in the Fund.

Loan liabilities. Reduction of Debt during the year amounted to Rs. 61.31 lakhs. The loan liabilities of the Corporation at the close of the year stood at Rs. 1,293.90 lakhs. The total Sinking Fund required upto 31st March 1948 was Rs. 369.15 lakhs but the actual value was Rs. 398.14 lakhs as under :—

	Rs.
Public Securities of the Market Value of ...	395.47
Interest accrued on the above securities upto 31st March 1948 ...	2.67
Total ...	398.14

A comparison of the net revenue and net expenditure for 1946-47 and 1947-48 is made below in accordance with Standing Committee Resolution No. 12212, dated the 3rd February 1942 :—

Particulars	1946-47.	1947-48.
	Rs.	Rs.
Net Revenue after deducting refunds, draw-backs and charges inrespect of assessment and collection and granting of refunds :—		
General Tax ...	2,09,07,060	2,22,77,355
Town Duties ...	14,78,884	86,05,371
Music, etc., Licenses ...	11,376	4,768
Returns from Property and Miscellaneous ...	20,01,694	20,54,557
Water Works ...	73,35,822	51,11,265
Street Cleansing and Conservancy, Road Watering and Halalkhore Service ...	5,16,852	*Dr.* 5,21,018
Wheel Tax and Tolls ...	19,39,863	23,39,246
Fire Tax ...	43,872	*Dr.* 2,36,828
Markets and Slaughter Houses ...	12,84,159	17,78,027
Licensing and Removal of Encroachments, etc. ...	3,90,687	7,80,033
Contribution from Capital Funds to Revenue on account of Loan Works Staff ...	90,340	1,35,379
Extra-ordinary receipts :—		
Interest on Net Premia Fund and excess interest on Sinking Fund ...	1,45,604	1,45,393
Rebate from Government on account of collection of the Urban Immovable Property Tax in the City ...	1,86,144	1,87,869
Grant-in-aid ...	...	30,00,000
Transfer from P. W. R. Fund ...	...	8,36,638
Total ...	3,63,32,357	4,64,98,055

Particulars.		1946-47.	1947-48.
		Rs.	Rs.
Net expenditure after deducting receipts :—			
General Superintendence	...	5,61,312	7,13,657
Education, Primary	...	61,77,214	76,42,874
Education Secondary	...	51,534	67,623
Public Health	...	13,41,302	15,55,712
Medical Relief and Education	...	29,82,632	38,23,053
Roads, Drains and Sewers (including Public Lighting)	...	61,19,041	67,27,337
Mechanical	...	19,85,337	20,19,926
Buildings, Land Acquisition and Management	...	11,63,095	12,11,429
Gardens and Open Spaces	...	4,53,712	4,87,248
Miscellaneous	...	5,55,822	6,17,424
Contribution towards Improvement Schemes	...	29,99,589	29,96,319
Provident Fund, Pensions, Gratuities and Compassionate Allowances	...	15,27,092	18,31,097
Urban Immovable Property Tax on Municipal Properties	...	46,315	45,544
Dearness Allowance	...	57,43,782	56,16,859
Grants-in-aid to Public Institutions	...	4,58,683	4,80,668
Measures for Civil Defence	...	*Cr.* 23,189	68,079
Post War Reconstruction Fund	...	17,00,000	...
	Total ...	3,38,43,273	3,61,04,849
	Surplus ...	24,89,084	1,03,93,206
	Total ...	3,63,32,357	4,64,98,055

IMPROVEMENT SCHEMES.

General Account.

Estimates and Actuals of Income and Expenditure.

The income, expenditure and deficit for the year as per Budget Estimates B were Rs. 103.66 lakhs, Rs. 110.54 lakhs and Rs. 6.88 lakhs respectively, the corresponding actuals being Income Rs. 112.95 lakhs, Expenditure Rs. 105.68 lakhs and Surplus Rs. 7,27 lakhs.

Variation in Income.

The actual income for the year, *viz.*, Rs. 112.95 lakhs shows an increase of Rs. 9.25. lakhs over that of the preceding year, *viz.*, Rs. 103.70 lakhs. This is made up of increases under Rent and other proceeds of properties Rs. 7.78 lakhs, Receipts on account of Tobacco Duty Rs. 0.62 lakhs, Interest and Profit on Investments Rs. 0.85 lakh and Miscellaneous Receipts Rs. 0.03 counterbalanced by decrease in the contribution from Municipal Corporation Rs. 0.03 lakhs.

Details of Expenditure.

The actual expenditure for the year, *viz.*, Rs. 105.68 lakhs shows an increase of Rs. 1.36 lakhs over that of the previous year, *viz.*, Rs. 104.32 lakhs. This is due to an increase of Rs. 0.90 lakh under Maintenance of Properties and Streets and of Rs. 0.46 lakh under Debt Charges.

Capital Account.

Expenditure on Schemes. The expenditure on Capital Works during the year amounted to Rs. 4.92 lakhs.

Loans floated in the year. There was no fresh borrowing during the year.

Loan liabilities.

Reduction of debt during the year amounted to Rs. 5.80 lakhs. The Loan liabilities of the Improvement Schemes at the close of the year stood at Rs. 1,565.96 lakhs.

The total Sinking Fund required upto 31st March 1948 was Rs. 354.74 lakhs but the actual value was Rs. 419.87 as under :—

		Rs.
Public Securities of the Market Value of	...	418.60
Interest accrued on the above securities upto 31st March 1948	...	1.27
Total	...	419.87

IV.—ASSESSMENT AND COLLECTION.

Taxation, Demand, Collection and out-standings.

The rates of taxation remained the same as in the preceding year, save in the case of the fire tax included in General tax, which was increased by ¼ per cent. from 1st October 1947 under Corporation Resolution No. 234, dated the 12th May 1947.

The total number of properties during the year was 51,195 against 50,796 in the previous year showing an increase of 399. Out of these properties 42,165 were assessed to General Tax, 1,571 were exempted, 1,083 were Municipal properties exempted from General Tax, 2,998 were not taxed, being small plots of waste land, etc., and 3,378 were Municipal plots. The number of single room tenements, double room tenements and flats was 2,39,280; 53,185 and 40,832 respectively, against 2,38,282; 52,370 and 40, 630 in the preceding year.

The rateable value of all properties on 31st March 1948 was Rs. 17,78,96,754 against Rs. 17,14,40,860 and 16,71,69,555 in the previous two years. This gives rate of Rs. 69-11-0 per head of population against Rs. 64-11-0 in the preceding year.

The total number of vehicles and animals taxed during the year (including those taxed under the Public Conveyance Act *viz.*, 3681) was 32,507.

For Property and Wheel taxes 94,427 and 1,09,579 bills were, respectively, issued during the year. The amounts collected against net total demands of Rs. 489.11 lacs and Rs. 24.91 lacs were Rs. 421.67 lacs and Rs. 19.87 lacs, which works out to 86.21 and 79.77 per cent. of the net demand respectively. The percentage of the total recovery to the total net demand works out to 85.9. The total outstandings of Rs. 72.47 lacs at the end of the year was increased to Rs. 77.42 lacs on account of issue of bills amounting to Rs. 4.95 lacs after 1st April 1948 for water supplied to the Government and private properties and for wheel tax for the year 1947-48. The increased outstanding of Rs. 77.42 lacs was reduced to Rs. 50.40 lacs on 31st July 1948 as recoveries to the extent of Rs. 26.06 lacs were made by that date and bills for Rs. .96 lac were recalled and cancelled. Outstandings againts private ratepayers at the end of the year stood at Rs. 60.30 lacs. Of these, a sum of Rs. 16.42 lacs is due from the Garrison Engineer (Hirings) and other Officers of the Government of India, who have disputed their liability to pay rates on buildings and lands requisitioned by Central Government and structures erected by them for Military purposes. The balance of the outstandings is partly due to amended bills of about Rs. 24.61 lacs having been issued in the last month of the year on account of variation in the rateable values of properties due to additions and alterations.

The total amount of exemption from General tax allowed to different properties during the year came to Rs. 15.49 lacs against Rs. 14.93 lacs in the preceding year. The increase is partly due to the increase in Fire tax included in General tax by ¼ per cent. with effect from 1st October 1947 and partly due to the increase in the rateable values of Government properties by about Rs. 16.62 lacs for the current quinquennium, on which under Section 144 of the Municipal Act, Government have to pay 8/10ths of the sum in lieu of General tax payable by private ratepayer.

The number of claims received for drawback and refund amounted to 49 and 1921 respectively, against 49 and 1905 in the previous year. Of these only 5 and 1558 respectively, were admitted, involving an amount of Rs. .01 lac and 7.49 lacs, respectively.

1083 complaints were received against change of assessment during the currency of the year and 1673 against the original assessment. There were 37 appeals against rateable values.

During the year, defalcations of Municipal taxes to the tune of Rs. 31,790-6-0 were committed by 2 Ward Inspectors of the Department. The matter was reported to the Standing Committee (*vide* S. C. R. No. 772 of 13-8-47) and criminal proceedings were instituted against both the Ward Inspectors. As a result, one of them was convicted and sentenced and has since been dismissed from service. The case against the other is pending. The procedure for issue and recovery of tax bills has since been revised and it is hoped that the new procedure will be sufficiently fool-proof.

V.—TOWN DUTIES AND ELECTIONS.

Revenue from Town Duties.

The rates of all articles liable to Town Duties were revised and 9 new articles brought on the Schedule from 1st June 1947. The net revenue from Town Duties amounted to Rs. 93.22 lakhs against Rs. 17.64 lakhs in the previous year. All the articles recorded an increase in the net receipts.

Refunds.

The total number of claims received during the year was 28,377 and the amount refunded Rs.7.32lakhs against 6,117 claims, and Rs.7,46 lakhs refunded in the previous year. Claims to the tune of Rs. 15 lakhs remained outstanding due to discrepancies. The fees for stamping sugar, etc., bags and sealing Ghee Tins amounted to Rs. 52 737 against Rs. 11,573 in the previous year.

Revision of Election Roll.

The revision of the Municipal Election Roll on the basis of adult franchise was commenced on 1st April 1947 with staff on deputation from other Departments assisted by about 200 outsdoor and 150 indoor temporary staff.

Voters' List and final Municipal Election Roll.

The Voters' List was published on due date *viz* 20th December 1947 and the final Election Roll contained 9,09,757 names of voters. The printing work was supervised by T.A.O. (Printing) with outside presses in addition to our own Press.

Registered Trade Unions Roll.

The Roll of Delegates of the Registered Trade Unions was also published on 20th December 1947 with 306 names of delegates.

General Elections.

The preliminaries started since September 1947 although the dates of elections were published on 22nd December 1947. The pressure of work remained for nearly 2 months from January 6th (on which day the issue of Nomination Papers commenced upto 20th February on which date the scrutiny and counting of votes was held. The programme was disturbed by the National mouring of 13 days due to sad demise of Mahatma Gandhi. There being no power to Municipal Commissioner to postpone the dates of Poll once declared, Ordinance No. II of 1948 had to be promulgated. Out of 270 valid Nominations refund of Rs. 200 each was disallowed to 51 persons whose deposits were forfeited to the Corporation. There were 70 cases of personation in all and all were convicted and fined. In appeal cases too, in one case only the candidate was unseated all other cases being either dismissed or withdrawn.

Expenditure, disposal of records, etc.

During the year the total expenditure for the revision of the Electoral Roll was about Rs.2,22,000, for the printing of Voters' List and final Poll was about Rs. 2,27,000 and for holding the elections was about Rs. 5,40,000. The records pertaining to the Poll were burnt on 30th July 1948. Proposals for amending Elections Sections in the light of experience gained in the General Elections are being made in consultation with Municipal Solicitors.

VI—PUBLIC WORKS.

Architectural Branch.

Maintnance of Municipal properties.

The total number of Municipal and Ex-Trust properties maintained during the year was 2,941 as against 2,596 maintained during the previous year. This increase is due to taking over by the Municipality of 3 hospitals, *viz.*, (1) Indian Military Hospital at Dharavi, (2) R. P. T. B. Hospital, Sewri, and (3) Nair Hospital and T. N. Medical College at Lamington Road. The upkeep and maintenance of these properties was carried out partly by contract and partly departmentally. For this purpose, the City has been divided into two divisions—Division No. I comprised of A, B, C, D and E/East Wards and Division No. II of E/West, F and G Wards including Bandra Slaughter House. Messrs. New Trio Builders were the contractors for repairs and petty works, including monsoon repairs for both the divisions.

The works of monsoon repairs and of lime washing the properties were carried out departmentally.

New Works and Special Repair Works.

Expenditure incurred during the year on New Works estimated to cost Rs. 2,55,767 was Rs. 78,098-6-9 and that on special repairs works estimated at Rs. 1,87,411 was Rs. 89,187-5-0 Some of the works were in progress at the close of the year. Besides these works, other miscellaneous works of about Rs. 1,78,543 entrusted to this Branch were carried out departmentally on behalf of other departments from the grants under their control.

Loan Works.

Expenditure booked during the year on Loan Works estimated to cost Rs. 8,68,077 was about Rs. 1,69,667. In addition to this, works amounting to Rs. 2,49,895 out of Post-War Reconstruction Fund were also taken in hand. Besides, works amounting to Rs. 8,41,023 for constructing 150 tenements at Wadala and 100 tenements at Fergusson Road for housing the Explosion victims were taken in hands.

Budget Grants and expenditure.

The total Budget grant available from Budgets A and B was Rs. 29,32,035 against which the total expenditure amounted to Rs. 10,08,566. Out of this expenditure on works done departmentally from revenue amounted to Rs. 7,98,862.

General.

Though provision was made in the Budget for sufficient number of urgent works the progress of the works undertaken was slow owing to extreme scarcity of materials and lack of transport facilities, owing to heavy cuts in petrol rations.

Building Branch,

Private Building Construction.

The total number of applications received for the construction of new buildings and for alterations and additions to the existing buildings was 4,305 against 4,245 during the previous year.

The number of one-room tenements constructed was 256, that of two room tenements was 153 and that of blocks was 287 against 164, 42 and 74, respectively, in the previous year. The number of tenements demolished during the year was 349 one-room tenements, 28 two-room tenements and 27 blocks.

In all 6,160 notices were issued under different sections of the Municipal Act against parties In 1,786 cases, prosecutions were launched during the year for enforcing requisitions under the various sections of the Municipal Act, of which 568 were withdrawn or complied with, 336 resulted in convictions and 882 were pending at the close of the year. The amount of fines recovered during the year inclusive of the fines of old postponed cases of the previous year as Rs. 18,488-8-0.

The total number of buildings or portions thereof which collapsed during the year was 44 resulting in injuries to 37 persons and in death of 4 persons in 18 cases only.

Set-backs.

Set-backs valued at about 3.22 lakhs were acquired and paid for during the year. The liabilities outstanding in respect of acquisition of set-backs amounted to about Rs. 17,49 lakhs. The area added to roads during the year was 5,479 square yards at a cost of Rs. 20.020-9-0.

Stall-boards and Weather frame projections.

The total income realised from stall-boards and weather frame projections during the year was about Rs. 1.40 lakhs and the expenditure incurred on account of the same was Rs. 0.64 lakhs As per the policy laid down by the Corporation regarding eliminating stall-board projections in the City, action has been taken against the shop-keepers for removal of stall-boards on Kalbadevi Road this year. In all, 1,342 notices under Section 308 of the Municipal Act were issued for the removal of unauthorised projections, out of which 1,041 were complied with by the parties and the remaining 301 were pending at the close of the year.

Subvention Scheme.

No new notices were served against the landlords for compulsory conversion of basket privies into water closets. The Government of Bombay insist on the removal of the nightsoil Depot at Mahim before September 1948 and therefore the question of reviving the scheme had to be taken up soon in F and G Wards. About 200 privies served by the above Depot had to be converted immediately. In view of the high prices of materials and labour, the question of increasing the rate of subsidy to the house owners is under consideration and the proposals are being submitted.

Cement authorisation to private owners.

In all 10,467 applications for cement were received from house owners for carrying out essential repairs to properties and after scrutiny and inspection on site, authorisations aggregating to about 3,724 tons were issued.

General.

(In the reorganisation of the Building Branch sanctioned by the Corporation under their Resolution No. 641, dated the 27th August 1946, one post of A.E., 1st Grade was created and Mr. G. P. Dandekar, B.E. (Civil), A.M.I.E. was appointed to the post from 24-3-1947). During the year under report the work of valuation of lands and buildings of the B. E. S. & T. Co., Ltd.; was entrusted to the A.E., 1st Grade (Buildings), Mr. G. P. Dandekar, who completed it with the assistance of the Engineering and the clerical staff of the Building Branch.

Mechanical Branch.

Workshops.

The total expenditure on Departmental and private works carried out in the Municipal Workshops amounted to Rs. 2.97 lakhs as against Rs. 2.26 lakhs in the preceding year and that on the upkeep and overhead charges amounted to Rs. 1.47 lakhs which works out to 49.6 per cent. on the expenditure incurred on labour and stores used in the execution of works, as against 48.6 per cent. during the preceding year.

Dadar Purification Works.

Total volume of sewage received at the Dadar Purification Works amounted to 3361.76 million gallons *i.e.*, an average of 921 million gallons per day.

The plant has been in service for nearly 12 years. Certain machinery and especially the steel parts thereof being heavily corroded are in need of replacement, which could not be done during war years and immediately thereafter, due to non-availability and heavy costs of the equipment and spare parts. As replacements must be effected as early as possible to maintain the high efficiency of the plant, it is proposed to renew the whole of the machinery and the equipment in need of renewal and to carry out the repairs to the machinery by spreading the cost of renewals over a period of 3 to 4 years. A start in this direction has already been made by making a token provision in the Budget for 1948-49 for replacing the silt removal grab which has finished its useful life.

On completion of the repairs to the roof of the Digestion Tank in February 1947, the gas service to the K. E. M. Hospital and quarters attached thereto was restarted in March 1947 after a stoppage of nearly 12 months. It was however soon found that joints in the roof were not gas-tight and the tank has to be closed till the joints could be made gas-tight by using a suitable rubber compound. The revenue obtained by the sale of this gas from 26th March 1947 upto the end of the year amounted to Rs. 3,274-11-6 for a total consumption of 800,300 cubic feet at the rate of Rs. 3 per 100 C.ft.

The work of constructing the second digestion tank including a gas holder, two consolidation tanks and the pump house entrusted to Messrs. Duncan Stratton & Co., Ltd. and started in January 1947 progressed satisfactorily during the year under report. The digestion tank is expected to be brought into use before the end of the next financial year.

As already pointed out in the last year's report, the plant is badly in need of extensions. Its present capacity is only 5 million gallons per day as against the flow of 9.21 million gallons per day. Detailed plans and estimates were therefore prepared for giving both primary and secondary treatment to 9 million gallons day sewage fixing the ultimate capacity of the plant at 14 million gallons per day. The Corporation having approved the estimate, tenders for the work were invited and the tender of Messrs. Hindustan Construction Company, Ltd. amounting to Rs. 16,13,815 was accepted. No further progress in regard to the running of lorries on sludge gas could be made during the year for want of suitable lorries and apparatus for testing cylinders.

The maintenance cost of the Purification Works together with the pumping stations thereat amounts to Rs. 1.62 lakhs during the year.

Pumping Stations.

Love Grove Pumping Station.—The pumping station worked satisfactorily throughout the year The average quantity of sewage pumped during the dry weather amounted to 53.12 million gallons per day whilst during the monsoon it amounted to 55·57 million gallons per day. The total expenditure during the year amounted to Rs. 1.72 lakhs against Rs. 1.58 lakhs during the preceding year. The cost per million gallon works out to Rs. 8.72 against that of Rs. 6.66 during the previous year. The newly purchased sludge gas engines for generating electricity were brought into use in March 1948.

The existing four pumps are found to be of inadequate capacity to cope with the peak-load flows, because all of them cannot be put into commission during the peak-load hours as the transformer capacity provided at this station is limited. Even after improving the transforming capacity, which is being done, these pumps will be found to be inadequate to cope with the sewage that would be inadequate to cope with the sewage that would be arriving at this station after the scheme of augmenting the City's water supply is completed. It is thus essential to provide additional pumping capacity at this station. The Corporation's sanction has already been obtained to construct a new pumping station to deal ultimately with peak-load flow of about 200 million gallons per day. It is expected that this work of new station will be started by the beginning of the next financial year.

No damage was found to have been caused to the Love Grove outfall during the year under report.

Matunga Pumping stations.

The quantity of sewage pumped amounted to 2,118 million gallons and the maintenance cost amounted to Rs. 0.44 lakhs. The existing pumps are found to be inadequate to cope with the peak and average flows, reaching at this station. Steps are therefore being taken to install two additional pumps. Additional transformer capacity will have also to be provided to run a large number of pumps simultaneously during the peak-load hours and the tenders for the same have been already invited.

Other minor pumping station.

The other minor pumping stations continued to work satisfactorily during the year. The total quantity of sewage pumped by these stations during the year amounted to 3363.5 millon gallons and their maintenance cost was Rs. 0.76 lakhs. The existing pumping capacity of Mahim Pumping Station is found to be inadequate and an order for two additional pumping sets each of 1,900 million gallons capacity has been placed with Messrs. Turner Hoare & Company, Ltd. and the pumps are likely to be installed by the end of the next financial year.

The average quantity of sewage pumped at Jacob Circle Pumping Station was 3121 million gallons Per day and the expenditure amounted to Rs. 0.33 lakhs, The existing pumps at Dadar pumping Station owing to the inherant constructional defects gave considerable amount of trouble. It is proposed to replace them by four new pumps each of 4 m.g.p.d. capacity.

Compressor and Ejector stations.

The three compressor stations, *viz.*, Victoria Gardens, Fergusson Road and Colaba, consumed 27.75 lakhs electric units at a cost of Rs. 0.75 lakhs, the average cost per unit being 0.44 anna, 0.42 anna and 0.42 anna, respectively.

Warden Road Compressor and auxiliary Pumping Station.

The total number of units consumed at this station was 627,220 at a cost of Rs. 0.24 lakhs which gives an average rate of .625 anna per unit. As the existing compresors are found to be inadequate, an order for one noiseless slow speed compressor has been placed with Messrs. Swiss Locomotive and Machine Works, which is expected to be brought into use by the end of the next financial year. The Warden Road auxiliary pumping station attached to the compressor station worked fairly statisfactorily during the year. Owing to inadequate capacity of the pumping sets, at this station, two additional pumps have been ordered and are awaited.

Ejectors.

21 Ejector stations in the City continued to operate for lifting sewage from the low-lying aeras with the help of the compressed air, Difficulty still continued to be experienced in working the ejector stations located in different parts of the City as most of them have served their useful life and proposals for replacing some of them by pumping stations although sanctioned by the Corporation could not be undertaken due to conditions created by the war. The scheme for doing away the ejectors at Fergusson Road and DeLisle Road are however taken in hand so also the installation of the pumping station in lieu of the ejector station at Church Street will be taken in hand shortly. The ejector stations at Nepean Sea Road, Setalvad Road, Warden Road and Globe Mill Passage are also proposed to be replaced by pumping stations.

The total expenditure incurred on the maintenance of compressors and ejectors amounted to Rs. 1.59 lakhs as against Rs. 1.37 lakhs during the preceding year.

Inspection of Factories Workshops etc.

415 New proposals for permits and licences were inspected and disposed of. Complaints regarding nuisance by existing factories, etc., were investigated and necessary steps taken.

Motor Transport.

139 Vehicles were in commission during the year. Out of the 25 Fordson Thames vehicles purchased during the previous year, for the removal of refuse, 9 were sold to Surat Municipality. These vehicles as also the G. M. C. trucks are not found suitable for our Municipal works.

The total expenditure on supervision and maintenance of the motor transport amounted to about Rs. 8.75 lakhs. Due to post-war conditions, the prices of petrol, tyres and spare parts had gone up considerably and it was very difficult to obtain spare parts for our old vehicles with the result that the repair work was delayed and the cost of running and maintenance increased.

Refrigeration Plant at Arthur Crawford Market.

This plant, though still kept in service has passed its useful life. The work of replacing it by a new one is in progress.

General.

The maintenance cost of the pumping compressor stations and also Dadar Sewage Purification Works has increased considerably due to the abnormal rise in the cost of labour and materials including spare parts and also on account of the longer working hours of machinery during the peak-load periods.

Works Branch.

Road and Drainage Works.

The road and drainage works costing Rs. 13.35 lakhs were carried out during the year, out of which, works to the extent of Rs. 8.15 lakhs were carried out departmentally and the rest, *viz.*, Rs. 5.20 lakhs by contract. The prices of engineering materials like steel, cement, etc., continued to be very high during the year. The expenditure was also adversely affected by the communal riots due to political situation and the imposition of Curfew at the commencement of the year.

Asphalt Plant.

The Asphalt Plant continued to work by contract labour during the year under report and the rates paid for this work were practically the same as those prevailing last year. About 43,861 square yards of area of roads was treated with different methods of which about 34,384 square yards was renewed with 3" sheet asphalt. The total mileage of roads treated with plant mixed asphalt carpet upto 28-2-1948 was 51.894 miles and the area was 11,91,946 square yards.

During the war, the work of renewing asphalt roads surfaces could not be carried out for want of materials, principally asphalt, thereby creating an accumulation to the extent of about 8,00,000 square yards of road surfaces which are due for renewal. It would not be possible to clear of the accumulation with the limited capacity of the Municipal asphalt Plant varying between 35,000 to 40,000 square yards per annum. In order therefore to expedite the work, the process perfected by Messrs. Recondo (India), Ltd. at Singapore, consisting of segregating metal and other materials of the old asphalt surfaces and reconditioning them by the addition of asphalt, stone and filler, etc., was considered. The sanction of the Standing Committee and the Corporation was accordingly taken for entrusting the work to the extent of 1,05,481 square yards to this firmeat an estimated cost of Rs. 6,82,950 as an experimental measure. The cost of renewal by this method will be about 15 to 20 per cent. cheaper than that by the ordinary process where all new materials are used.

Crushers.

Two crushers at Worli and one at Sewri worked satisfactorily during the year with the same output as in the previous year. The labour required for running the crushers was obtained by contract at the rates of Rs. 3-8-0 and Rs. 4-4-0 per 100 cubic feet of rubble crushed at Worli and Sewri respectively. The total output of these crushers was 8,301 brass and there was a net profit of Rs. 5.45 lakhs over this working.

Repairs and maintenance of roads and footpaths.

The total mileage of roads in the City at the close of the year was about 269.471 miles. About 1.51 lakhs of square yards of road surface of different types was repaired at a cost of Rs. 5.97 lakhs. A further expenditure of Rs. 0.22 lakhs was incurred on the improvement of kutcha footpaths in the City. Besides this, an additional expenditure amounting to Rs. 2.25 lakhs was incurred on general overhead and other miscellaneous charges. 21 works on behalf of other departments and 71 works on behalf of private parties were carried out at a cost of Rs. 0.33 lakhs and Rs. 0.43 lakhs, respectively.

Road watering.

All water-bound roads and katcha footpaths were watered twice a day during dry season of the year.

Traffic Islands.

The construction works in respect of 19 Traffic Islands were proposed to be taken in hand during the preceding year. The works in some cases were in progress at the close of the year. Works in respect of remaining islands will be taken in hand in 1948-49.

Road side trees.

358 new trees were planted along road-side during the year in replacement of causalties. The total expenditure incurred on maintaining about 16,000 road side trees amounted to Rs. 0.12 lakhs. About 186 trees were cut down having either perished or were unsound and 40 trees were uprooted during the monsoon.

Benches, street name boards and Public monuments.

Benches, street name boards and public monuments were maintained satisfactorily during the year under report.

Road rollers.

There were 26 road rollers, out of which 22 are steam driven, 3 are petrol driven and 1 is with diesel engine. Most of the rollers have finished their useful life and efforts are being made to purchase new rollers which are still subject to Government control.

Motor Traction.

There were 20 lorries and 6 trucks in the Road Motor traction and total expenditure incurred on their working amounted to Rs. 1.26 lakhs. Two trucks were scrapped due to old age. Some of the lorries had to be diverted on the work of removal of refuse in the city which necessitated hiring of private lorries for transport of road materials.

Income from fees for permits, ground rent etc.

A sum of Rs. 1,66,234-13-0 was realised as road opening fees, ground rent or fees for temporary use of roads and footpaths for the following different purposes:—

		Rs.	a.	ps.
(1)	Road opening fees ...	5,983	0	0
(2)	Fees for stacking building materials, putting up scaffolding etc. ...	60,442	6	0
(3)	Ground Rent—			
	(*a*) for tram tracks ...	66,944	0	0
	(*b*) Miscellaneous occupation ...	32,865	7	0
	Total ...	1,66,234	13	0

Tramways. In the year under report, the Tramway, electricity and bus concerns of the B.E.S. & T. Co., Limited have been taken over by the Municipality and managed by the B.E.S.T. Committee (*vide* Corporation Resolution No. 501, dated the 11th July 1947).

No additions were made to the total length of the tram tracks in the city during the year except 530 feet of single tracks siding at King's Circle Matunga. The total length of the double tracks was 26.70 miles and single tracks wes 2.52 miles. The B.E.S.T. Committee held a rolling stock of 274½ single deck and double deck bogies and single truck trams and 30 trailers with a seating accommodation of 24,317 persons at the close of the year.

Public Street Lighting. The total number of street lamps in the city at the end of the year was 10,942 as against 10,933 in the previous year. These lamps were lighted by gas, electricity or incandescent oil as the case may be. The candle power consumed together with the expenditure incurred on the Street lighting and maintenance is given below :—

Kind of lighting.	Candle Power.	Expenditure for lighting and maintenance. Rs. as ps.
(1) Gas ...	21,29,780	6,00,063 12 0
(2) Electric ...	4,71,000	3,00,065 0 0
(3) Incandescent oil ...	78,400	57,272 4 0

An additional expenditure of Rs. 19,477-12-0 was incurred in the erection of new lamps and repairs and maintenance of old ones. As usual a sum of Rs. 43,680 was paid to the Bombay Por Trust on account of lighting of wharves and roads in their charge by way of adjustment.

Since the concern of the B.E.S. & T. Co., Ltd., was taken over by the Bombay Municipality with effect from the 7th August 1947, the contract with the Company for lighting streets with electricity was terminated on 6th August 1947 and the work of lighting the streets was since continued by the B.E.S. & T. Committee under the same terms and conditions.

Requisitioned buildings. The buildings that were requisitioned during the war period for housing the Municipal labour staff have been de-requisitioned under a Government order and the Municipality is now an ordinary tenant of the owners of such buildings. Most of the owners are pressing for vacant possession of the buildings being given to them. This is being done gradually as and when alternative accommodation is found for the staff.

Maintenace of drains and sewers. The work of repairs and alterations to drains and sewers including removal and replacement of manholes frames and covers, water entrances etc., were carried out as usual. The total mileage of pipe sewers and ovoid sewers at the close of the year was 206.86 and 17.18 miles respectively out of which 129.52 and 5.38 miles were cleaned during the year. The length of storm water drains was 209.39 miles out of which 11.80 miles were cleaned during the year.

A special arrangement was made for posting labourers for 24 hours in certain low lying localities in the city for reducing the flooding nuisance during the monsoon.

Deep sullage drains and house drains in private properties. Since the beginning of this year, this work which was so far being attended to by the Conservancy Branch of the Health Department has been transferred to this branch. The work of cleaning all house drains was attended to by this branch. It was noticed that the house drains require a through cleaning and repairs. To cope up with the heavy work, the Corporation is being approached to increase the staff.

Kurla Deonar Railway Works.

Removal of town refuse to Deonar. The Town refuse was as usual transported to Deonar in Railway wagons. The total refuse so removed was 2,82,972 tons against 2,82,870 tons during the previous year, and cost of its removal and disposal at Deonar amounted to Rs. 4.49 lakhs as against Rs. 4.13 lakhs during the previous year. The work of unloading the wagons was carried out by Departmental labour housed at Chembur at a cost of Rs. 1.60 lakhs as against Rs. 1.54 lakhs during the previous year. The rolling stock of the Municipal wagons at the end of the year was 174 7 having been scrapped during the year. The cost of repairs and maintenance of these wagons including railway sidings at Mahalaxmi amounted to Rs. 0.72 lakhs against Rs. 0.57 lakhs during the previous year. Most of the wagons have outlived their useful life and are required to be replaced by new ones immediately for which a provision of Rs. 80,000 has been made in the current year's budget.

Income. The total area reclaimed upto the close of the year was about 400 acres out of a total reclaimable area of 823 acres at Deonar. The total income realised from letting of reclaimed land for cultivation, sale of right of fishing etc., amounted to Rs. 1.21 lakhs as against Rs. 0.86 lakhs during the previous year.

Amenities. Amenities such as free medical aid, primary education, welfare centre and the gymnasium, etc., were continued to the staff of the labour camp.

The railway sidings laid by the Military authorities on the land leased to them continued to be used by them during the year.

General.

The scheme for laying a pipe line from Dadar Sewage Purification Plant to Deonar for carrying sewage/sludge/effluent for irrigation of Municipal or private lands at Deonar, though approved by the Corporation could not be taken in hand on account of non-availability of materials.

The incinerator at Love Grove burnt about 2,794 tons of refuse during the year. The question of installing more incinerators in different parts of the city with a view to reducing the number of wagons to be sent to Deonar is under consideration.

Preparation of Master Plan.

As sanctioned by the Corporation under their R. No. 60/10-4-47, the work of preparing a Master Plan for the Greater Bombay Region was started during the year, in consultation with the Professional Town Planners Mr. Alber Mayer of Messrs. Meyer & Whittlesey of New York, U.S.A. In consultations with the two American Experts Messrs. A. Mayer and W. J. Cox a skeleton Master Plan was evolved. It aims at securing correct and proper inter-relationship between residential, industrial, business shopping and educational areas with an efficient safe and economic system of roads. The work of filling in further details of Master Plan was taken in hand and was in progress at the close of the year.

VII.—ESTATES AND LAND MANAGEMENT.

New Schemes.

(*a*) *Acquisition of Government passages in Bhoiwada Village.*—The engrossment of Transfer has been prepared by Government Solicitors and is being lodged for registration in the Office of the Sub-Registrar.

(*b*) The joint survey of the Government passage, bearing C.S. No. 155 (Part) of Dadar Naigaum Division to the south of Spring Mills has been carried out. The area to be transferred admeasures 607 5/9 square yards. The Solicitors to Government will now proceed with the preparation of the draft Deed of Transfer.

(*c*) Negotiations for acquiring another Government passage bearing C.S. No. 438 of Dadar Naigaum Division at a nominal compensation of Re. 1 are completed. The joint survey to determine the area of the passage will be held shortly.

Scheme 76, Lohar Gully, Wanzawadi, Mahim.—The Scheme has been sanctioned by the Corporation under Section 354K of the Municipal Act and is being submitted to Government for their approval under Section 354L of the Municipal Act.

SLUM SERVICE AND CLEARANCE.

(1) In all the 4 cases of properties to be acquired in connection with the scheme for the extension of Kolewadi Lane conveyances are being executed.

The work of erecting compound walls and the gate in the property bearing C.S. No. 34 has been completed.

(2) *Development of Golanji Hill Estate.*—Survey of the area has been carried out with a view to determining the detailed layout.

(3) *Dharavi.*—The layout of the area to the south of Dharavi Road which was sanctioned by the Corporation has since been revised so as to conform strictly to the modern trends in the 'Neighbourhood Planning.'

(4) *Mandvi Town Planning Scheme.*—The draft scheme was approved by the Corporation under Corporation Reslution No. 1251, dated the 21st January 1948 and it was submitted to Government on 30th January 1948 for according requisite sanction.

City of Bombay Building Works Restriction Act, 1944.—Permits were issued to the owners for constructing temporary structures as was done so far till the expiry of the Building Works Restriction Act, *i.e.*, upto 31st December 1947.

As the relevant sections of the Town Planning Act were in the meantime duly amended to enable the Municipality to grant conditional commencement certificates to owners, the period of the City of Bombay (Building Works Restriction) Act, 1944, was not extended after its expiry.

ACQUISITION OF LANDS.

(1) *Cases Nos. 538 and 538A Scheme 5 (Vithoba Temple at Matunga)*—The land Acquisition Officer has declared his award in this case but he is unable to take possession of the plot from the Trustees of the temple as there is some dispute amongst them. The Municipal Solicitors Messrs. Crawford Bayley & Co., have been asked to issue notices to the Trustees for the specific performance of the contract.

(2) The agreement in respect of the temple property bearing Case No. 374, Scheme 5 is prepared by the Legal Assistant and will be sent to the Trustees of the temple for their approval.

CHANGES IN THE EX-TRUST ESTATES.

The area of the permanently leased land increased during the year from 52.57 lakh square yards to 54.02 lakh square yards and the rent in respect thereof increased from Rs. 39.24 to Rs. 40.61 lakhs. The area of developed land remaining to be leased was 2.85 lakh square yards against 3.05 lakh square

yards in the preceding year. The area of the undeveloped land was reduced from 56.10 lakh square yards to 54.85 lakh square yards. Out of the total of about 2,879 acres vested in or acquired by the Ex-Trust, about 39.4 per cent., remained to be developed, and of the developed area 4.8 per cent., remained to be leased. The average value of the leased plots is Rs. 20 per square yard and that of plots which remained to be leased is estimated at Rs. 25 per square yard.

Dishousing and Re-housing.—There were practically no vacancies in the chawls or acquired properties during the year under report. Members of the menial staff, who are entitled to receive house rent allowance continued to occupy rooms rent free in lieu of the house rent allowance. Their number was 309 on 31st March 1948. Railway passes are being issued at Municipal cost to such of the members of the menial staff as are provided with rent-free quarters beyond one mile from their place of work. In pursuance of the Standing Committee Resolution No. 80, dated the 15th April 1946, 219 scavengers out of 424 belonging to this department were allowed rent-free accommodation and the remaining are being paid house rent allowance from the 1st April 1946 as per sanctioned scale.

No building was transferred to vacant land register or demolished during the year. The new residential accommodation made available in the houses erected by the lessees of the *Ex-*Trust estates during the year amounted to 544 tenements. No more accommodation could be provided owing to non-availability of the building materials in sufficient quantities. The total number of tenements provided up-to-date in all the Trust Estates including those erected by the development department and the several mill companies exceeds the total number of tenements demolished by 30,821.

The ownership of the rooms constructed by the Citizen's Relief Committee at Arthur Road and Wadala, Scheme 57, for housing the families who were dishoused as a result of the dock-explosion on the 14th April 1944 has been taken over by the Municipality.

DISPOSAL OF LANDS.

Long- Leases.—The number of plots let during the year was 93, having a total area of 1,47,743 square yards (about 30.5 acres) and valued at Rs. 36,36,423. The total number of plots disposed of upto the end of 1947-48 is 4,080 with an area of 55,92,458 square yards (about 1,155.5 acres) and valued at Rs. 11,36,87,019 yielding an annual rent of Rs. 40,61,070 in rspect of plots for which premium or commutation amounts have not been received.

Short Leases.—At the commencement of the year there were 598 acquired or surrendered buildings in charge of the Bombay Municipality (Improvements) out of which one was sold during the year. There were thus 597 buildings containing 5,070 tenements.

Housing Scheme at Sion.—The scheme for providing 500 rooms at Sion for accommodating the persons now staying in slum area at Dharavi and Sion who will be shifted from there has been approved by the Corporation.

Rent Collection and outgoings.—The rents realised from the acquired, re-entered or surrendered buidings in 1947-48 aggregate to Rs. 6,85,289 and the total temporary revenue realised during the year was Rs. 20,85,688 against Rs. 17,51,446 of the previous year. The increase in revenue is due to the recovery of old arrears from the Military authorities.

The gross demand of the Ex-Trust chawls for the year was Rs. 9,89,429. The net demand for the year after excluding the amount of Rs. 416 for vacancies and Rs. 34,869 for concessional rents was Rs. 9,54,134. The revenue actually collected came to Rs. 8,90,949 (exlclusive of adjustments to be carried out) which is equivalent to Rs. 93,38 per cent., of the net demand for the year.

The gross demand for the year 1947-48 of 2,842 rooms in the semi-permanent sheds including the permanent ground floor rooms and sheds known as Labour Camp was Rs. 1,63,316. The loss on account of vacancies and concessional rents was Rs. 74 and Rs. 6,727 respectively. The net demand, therefore, was Rs. 1,56,515. The amount actually collected came to Rs. 1,58,926 which is equivalent to 101.52 per cent., of the net demand.

The percentage of outgoings in respect of chawls and S.P. Sheds works out to 68.77 and 74.91 per cent., on the basis of the maximum annual rental of Rs. 9,89,429 and of Rs. 1,63,316 respectively.

The collection during the year on account of rents from the chawls amounted to Rs. 8,90,949. Deducting therefrom the expenses amounting to Rs. 6,80,554 the net income came to Rs. 2,10,395. The Capital Expenditure incurred on these chawls including the value of land is 151.53 lakhs. The Corporation have to pay interest and sinking fund charges at the rate of 4.61 per cent., per annum on the Capital Expenditure incurred prior to 1920 and 6.35 per cent., per annum on the Capital Expenditure incurred in subsequent years. This amounts to Rs. 8.88 lakhs per annum. After deducting the amount of net income, the accounts for the chawls showed a loss of about Rs. 6,77,156 lakhs for the year.

The average population in the chawls during 1947-48 was 53,807 as against 51,136 and 50,144 in 1946-47 and 1945-46 respectively, whilst the corresponding figures for semi-permanent sheds (excluding labour camps) were 8,006, 7,000 and 6,864 respectively.

Legal Proceedings.—In the year under review, 270 ejectment and claim suits were filed against the tenants who had run into arrears and the total costs incurred in respect of the suits came to Rs. 4,684-1-0. A sum of Rs. 3,031-14-6 has been recovered against the Court Costs and the balance of Rs. 1,652-2-6 will be recovered after the 100 cases which are still pending in the Court, are disposed of.

LAND ACQUISITION AND MANAGEMENT.

Acquisition of Properties off Maruty Street bearing C.S. Nos. 851, 867 and 866 part of Fort Division in connection with the construction of proposed Extension of the 60' Parsee Bazar Street.—Mr. Ghadially, the claimant of these propertiese who was declared lunatic by the Court is reported to be dead. The cases regarding C.S. Nos. 851 and 867 have been settled already. As regards the remaining case, i.e., 866 (Part) the Solicitors of the claimant are arranging for the appointment of a Manager for the settlement of the case. The matter is still pending before the Special Land Acqisition Officer.

MAHIM DEVELOPMENT AND OTHER SCHEMES.

Housing Accommodation Scheme for Fishermen at Mahim Causeway.—Government have agreed to transfer to the Municipality the additional land required for the recreation ground at Mahim Causeway on payment of a nominal compensation of Re. 1. The Deed of Transfer is being prepared by the Solicitors to Government. The Housing Scheme for Fishermen will be framed after the Deed of Transfer and Lease are completed.

Revenue Suit No. 1 of 1940 Assessment of Crawford Market to land Revenue.—Government have made an appeal against the decision of the Appeal Court and the same is pending before Federal Court.

Acquisition of land along drainage channel for shifting cemeteries at Haines Road.—The owners have put in their claims before the Special Land Acquisition Officer and the Municipal claim will be submitted in due course.

Acquisition of Municipal land by the Defence Department Plots Nos. 103-140, Agripada (West) Estate and Plots Nos. 113-114 and 108, Sion Matunga (East) Estate.—Negotiations are opened by Government to take the lease of the above plots instead of acquiring the Municipal interest in the land. The matter is in progress.

Acquisition of Municipal land by Government for Police Accommodation Scheme in Scheme No. 29 Nowroji Hill Estate, Plots Nos. 56 to 60 and 62 to 65. – Possession of land in respect of Plots Nos. 56, 57, 58 and 60 has been taken by the Special Land Acquisition Officer on payment of compensation to the Municipality and their lesses. As regards Plots Nos. 59, 62 to 65 action for handling over the possession to Special Land Acquisition Officer is in progress.

Acquisition of land for the Extension of the Municipal Labour Camp at Chembur.—The Collector of Bombay has been requested to notify the land under Section 4 of the Land Acquisition Act.

SPECIAL ROAD SCHEME.

Hornby Road to Balard Pier Scheme.—The total rent recovered from the scheme during the year amounted to Rs. 1,776. The previous year's recovery was Rs. 1,534.

Palton Road Estates. –The Semi-permanent sheds in this Estate are let to poor tenants. The total rent recovered from the Estate during the year amounted to Rs. 20,007. The previous year's realisation was Rs. 16,048. The increase in revenue is due to the recovery of old arrears.

No appreciable change could be effected in other schemes.

VIII.—WATER WORKS.

Water Supply.

1. The total quantity of water supplied to the City and Suburbs during the year from various sources was 41,115 million gallons, of which 34,095 million gallons were supplied from Tansa (93.15 Million Gallons per day), 5,679 million gallons from Vehar (15.52 million gallons per day), and 1,341 million gallons from Tulsi (3.66 million gallons per day). The Powai Lake remained unused as before. The average supply per day was 112.33 million gallons *i.e.*, 4.92 million gallons less than that in the previous year. Out of this 5.02 million gallons per day, were supplied to Suburbs (3.66 million gallons per day from Tulsi and remaining from Tansa and Vehar) and remaining 107.31 million gallons per day were supplied to City only. This amounted to 41.54 gallons per head per day for all purposes on the basis of food census of 25.8 lacs, *i.e.*, 5.36 gallons per head per day less than that in the preceding year. The minimum and maximum supply per day amounted to 87.50 and 118.30 million gallons respectively. The approximate quantity of water on percentage basis used for various purposes was 5.72 for mills, 3,58 for Railways and Port Trust, 4.46 for Suburbs, 62.34 for domestic supply, 17.45 for other purposes, such as, Drainage and Sewerage works, Public conveniences, Hospitals, Charitable institutions, Milch cattle and other stables, Gymkhanas and Play grounds, Race course, Laundries, Hotels, Fire purposes, Road washing, Gully flushing, etc., and 6.45 per cent., was wasted due to leaks and other unaccountable losses.

Rainfall.

2. The rainfall at Tansa, Vehar and Tulsi lakes was below the average of the preceding five years. Tansa, Tulsi and Powai lakes over-flowed for 32, 26 and 79 days respectively. The Vehar lake remained 10.33 Feet below full supply level at the end of the Monsoon.

Trunk and Distributory Mains, bursts, etc.

3. 197 miles of trunk mains of various sizes and 27½ miles of masonry duct in the Outside City, and 393 miles of trunk and distributory mains of various sizes inside the City were maintained. In the outside city there was no burst on any of the water mains but there were sixteen heavy leaks on different mains during the year. There were 10 bursts on various mains within the City.

Embankment and Trolley Track.

4. 118 miles of embankments including cuttings, carrying the pipes and trolley track were maintained. Out of a total length of 81.5 miles of trolley track only 63 miles were maintained for transport purposes for want of adequate funds.

Sterilisation of water supply.

5. The entire supply from the Tansa Lake was sterilized by chloramine treatment (Ammonia, Sulphate and Liquid Chlorine) at the Chlorination Plant at Powai and Ghatkopar while the Vehar supply was sterilized by the same treatment at the chlorination plant at Powai. The total cost of Chlorination was Rs. 1,43,217 *i.e.*, Rs. 4·21 per million gallons. The policy of maintaining a certain residual dose of chlorine at Powai was continued. The Tulsi supply was treated with liquid chlorine, ammonium sulphate and alum. A major portion of the cost of sterilization of Tulsi supply was borne by the Government as most of the supply was used for the Suburbs.

Bacteriological and Chemical water tests.

6. Fortnightly bacteriological and Chemical test of all the lake waters before and after chlorination were carried out through out the year. The purity of water after sterilization was maintained during the year at high standard as laid down by the Ministry of Health in England.

Distribution of water in the City.

7. For distribution purposes the City is mainly divided into three main divisions, (1) South and part of West, (2) Part of East and (3) North, which were supplied water from the Malbar Hill Reservoir, the Bhandarwada Hill Reservoir and directly from the trunk mains respectively. The hours of supply were nine.

Short supply complaints.

8. On account of increase in the population and greater demand for water for industry 4,782 short supply complaints were received and attended during the year.

Gardens.

9. The gardens, along the slopes of Gibbs and Ridge Roads, the Sir Pherozshah Mehta Gardens and the Ladies and Children's Garden at Malbar Hill, the Joseph Baptista Gardens at Bhandarwada Hill and seven gardens outside the City were maintained during the year.

Water connections.

10. 873 new water connections were given during the year bringing the total number of water connections to different premises in the City to 53,470. 46 connections were disconnected on account of demolition of buildings. 509 prosecutions were launched for infringement of the provision of the Municipal Act and for violating Bye-laws relating to Water Works. 719 works, such as, giving connections, etc., to private parties were carried out at their cost.

Fountains and Cattle Troughs.

11. 81 drinking fountains, 17 cattle troughs, 39 drinking fountains with cattle troughs, 60 stand pipes and 2 dipping wells were open to the public and maintained during the year.

Defects in water mains and their testing.

12. 21,136 defects, 7,619 underground and 13,517 over-ground were detected and repaired during the year. The total length of water mains tested for leakage by sounding was 20 miles. The number of notices issued to the owners of private premises for defects in water fittings and for infringement of the provisions of the Municipal Act and for violation of the bye-laws was 7,764.

Maintenance Branch Workshop.

13. The Maintenance Branch Work Shop carried out through out the year repair and testing works, including repairs and upkeep of Plant and Machinery pertaining to water department. 1,08,780 water works fittings (77,716 from private parties and 31,064 pertaining to the Municipal Works) were tested and the revenue derived from it amounted to Rs. 6,748. 1,970 meters of different sizes were tested during the year. In addition to this, 160 meters were submitted by private parties for test, out of wich 135 were passed and sealed and the remaining were rejected.

Chokes in services—pipes.

14. The special staff appointed for cleaning communication pipes and removing chokes was continued during the year. About 2,070 connections were cleaned.

Cleaning of consumers' pipes and fittings in Dadar-Matunga Area.

15. To minimise complaints due to chokes in consumer's pipes and fittings in Dadar-Matunga estate which is supplied water from the Vehar Lake, the Corporation sanctioned funds for the work of cleaning consumers' pipes and fittings beyond stop taps in this area. The work was continued during the year and 755 connections. (2,95,144 r.ft.) of different sizes were cleaned at a cost of Rs. 7,071.

Cleaning of Meter Strainers.

16. The temporary special staff appointed for periodical cleaning of meter strainers was continued during the year and 1,222 meter strainers were cleaned during the year.

17. About 4.49 miles of distributory mains of different sizes were laid out of the Loan Funds

Loan Works.

Other works provided under the Loan Funds, such as, providing concrete blocks under steel mains outside the City, reconstruction of the Tulsi Pipe Bridge at Bandra, guniting of 57" steel mains at Nardulla Tank, Housing of labour staff in Outside City Division, etc., were carried out during the year under report. The total expenditure booked during the year amounted to Rs. 1,76,303.

18. The works provided under New Works (Revenue) were carried out to the extent of

New Works.

Rs. 24,575.

19. A length of 480 r. ft. of steel mains were treated with reinforced guinite.

Encasing the 57" steel mains in Tulsi Pipe Road.

20. A further amount of Rs. 50,000 was sanctioned for this work out of which 110 blocks were

Concrete blocks under steel mains in the Outside City Division.

constructed under 57" Tansa mains between Mahim Causeway and Khar Road in Salsette Division.

21. The work of reconstructing the Tulsi Pipe Bridge which was entrusted to Messrs. Garlick & Company under a contract for Rs. 57,000 as per Corporation Resolution No. 460, dated the 7th September 1944 was completed on 30th December 1947. The work consists of a bow-string girder, fabricated by the contractors under Municipal supervision. The steel work was painted with a base coat of red oxide of lead and a covering coat of graphite paint. Towards the end of the year the work of relaying the 24" main over the bridge was in progress. The old bridge was dismantled and the old piers were abandoned.

Tulsi Pipe Bridge upon Bandra Creek.

22. Four concrete piers supporting the superstructure of the North Kasheli Bridge were repaired and submerged parts strengthened by providing rubble filling and grouting with cement and sand so as to provide thorough protection to the lower parts.

Strengthening the submerged parts of the New Kasheli Bridges.

23. A six feet masonry culvert was built over a nalla and 1,200 R. ft., of trolley track was laid over the new formation. Two Warsop rock drilling machines were purchased for this work as a big amount of rock cutting was involved.

Diverting and regrading the Tulsi Trolley Track.

24. In addition to seven short pattern Venturi tubes for which order was placed last year, seven more short patern venturi tubes were ordered. None were received during the year.

Providing Venturi Meters.

25. A staff consising of 2 Overseers and 14 Mukadams was appointed since October 1947 for inspecting and rewashering leaky taps as an experimental measure. The total number of taps rewashared during the year was 20,844.

Rewashering of leaky taps.

26. Works for improving the distribution system.

(*i*) A 24"> 18" cross connection between 48" Old and New Tansa Mains was made at Suparibaug Road just opposite F Ward office in 1946-47. During the year these two mains were connected with the 32" Vehar main by an 18"> 15" connection at the same place.

Measures for preventing frequent bursts on 48" Old and New Tansa Mains in the City.

(*ii*) The work of laying a 12" feeder main in Bhau Daji Road which was started in 1946-47 was continued during the year and a length of 1,371 R.ft., was laid.

Providing a 12' Feeder main in Bhau Daji Road in F Ward.

(*iii*) In order to improve the supply in Memonwada, Old Nagpada, Kambekar Street, Masjid Bunder Road and Pydhonie Road a comprenhesive Scheme was commenced in 1945-46. During the year following works were carried out.

Improving the water supply in localities in B—Ward

(*a*) A further portion of 5" main in Sandhurst Road East was enlarged to 12" for a length of 329 R.ft.

(*b*) A further length of 671 R.ft., of 18" main in Masjid Bunder Road was laid. Total length laid so far is 1,391 R.ft.

27. Augmentation of City's Water Supply.

I.—Emergency Schemes.

(*A*) Due to absence of rain upto middle of July 1947 the City was threatened with a water famine. Proposals were immediately put up for (*a*) driving a 4'-0" diameter hole at 375 T.H.D. and (*b*) to provide pumps on floating pontoons to avail the lower contents of the lake.

Utilizing the lower contents of the Tansa Dam.

In connection with these proposals following works were carried out during the year.

(*i*) A 50" diameter blank flanged piece of pipe was grouted in position on the upstream side of the dam at 375 T.H.D. The work was done by an Italian Driver Mr. Palmerin on contract basis. He did the work single handed and was under water for a total period of over 1,000 hours. In this period he bored a hole of about 5 feet diameter and 4 feet deep in coarsed rubble masonry.

(*ii*) Two 500 H. P. Diesel 'Enterprise' engines directly coupled with alter anators with all the accessories were received from U.S.A. and the work of their installation in a specially constructed house was in progress at the end of the year. These generators are required as there is no electricity at Tansa ; and will be used to run the motors connected to the pumps for pumping lower contents.

(*iii*) One 40 million gallons per day capacity pump with 500 H.P. motor was removed from Love Grove Pumping Station and transported to Tansa.

(*iv*) Floating Pontoon was constructed of pressed steel bridge pontoon cells.

(*v*) Additional pontoons were assembled for carrying the flexible delivery main.

(*vi*) Order for 50" diameter specially manufactured flexible, rubble and canvass pipes was placed.

(*vii*) Constru ction work of quarters, stores, godowns, Power House, etc., was in progress.

(*viii*) Cables for carrying current for generating sets to pontoon were purchased.

(*ix*) Order placed for two tanks 12,000 gallons capacity each for storing Diesel Fuel Oil.

(*x*) Following plant and machinery purchased in connection with these works :—

(*a*) Compressor.
(*b*) Oxy-acetyline gas cutting plant.
(*c*) Auxiliary generator.

Provision of stop logs on the Waste Weir of the Tansa Dam.

(*B*) As per Corporation Resolution No. 701, dated the 11th September 1947 the work of providing one foot high stop logs was sanctioned for impounding one foot depth of additional water. No advantage was derived as the lake did not fill up after the erection of the stoplogs.

Providing Automatic gates over the Waste Weir of the Tansa Dam.

(*C*) By the end of the year the progress made was as under :—

(*a*) Piers constructed	...	38 Nos.
(*b*) Gates erected	...	37 ,,
(*c*) Counter weights cast	...	38 ,,
(*d*) Counter weights joined to the gates	...	16 ,,

(*e*) A gang way of steel work was erected over the top of the piers and over the entire length of the waste weir.

The work is expected to be completed before the monsoon and it will be possible to impound 2,900 million gallons between 420 and 422 T.H.D.

Cement grouting of the Tansa Dam.

(*D*) The work of grouting the waste weir portion of the dam is entrusted to Messrs. Cementation Company at a cost of Rs. 2,95,350. The portion of the waste-weir was grouted by drilling 2¼" diameter holes spaced 6 feet apart from the top of the dam to a depth of about 4 feet in the foundation and inj ecting thin cement grout upto a pressure of 80 to 100 lbs. per. square inch. At the end of the year the total work done was 916 R.ft. and was in progress.

The outlet well portion of the dam has to be grouted and the work is entrusted to the same firm. Some work left out at chainage 64 and beyond chainage 88 is also entrusted to the same firm at a cost of Rs. 16,225.

II.—Long term schemes.

Detailed Survey and design.

The work of detailed survey of the Vaiterna-cum-Tansa Scheme was taken in hand from 24th March 1947. It was revealed that the useful storage 17,000 million gallons as suggested in the interim report had to be increased at least to 26,000 million gallons to obtain a co mbined supply of 160 million gallons per day from the two sources. This created difficulties in locating the site for the waste-weir, as the side channel waste-weir or a flank waste-weir was economical only upto 480 T.H.D. Then possibilities of securing maximum storage possible which would give a maximum daily supply from the two lakes jointly or independently in good years as well as in years of scanty rainfall were investigated by preparing charts for supply and storage year by year. It was ascertained that if a pipe line about 6½ miles in length was laid from the Vaiterna tunnel skirting the water spread of the Tansa Lake. It would directly convey the contents of the Vaiterna Lake to the City with greater head. With a useful storage of 46,000 million gallons the total dependable combined supply would amount to 220 million gallons per day in all the years except one like 1899, when it would amount to 150 million gallons per day The Vaiterna Lake would be capable of giving 150 million gallons per day independently in all years except one like 1899 when 100 million gallons per day can be expected.

Site for the waste weir and its design.

(*ii*) The maximum flood discharge was estimated at 92,000 cusecs after weighing several considerations for this discharge. The height of the flood over the crest would be about 20 feet over a length of about 300 R.ft. The crest of the dam will be at 515 T.H.D. and with 20 feet high automatic shutters the F.S.L. will be 535 T.H.D. The top of the dam with a free board of 10 feet would be 545 T.H.D The other possibility is of providing a syphon spillway with a crest level of 537 T.H.D. The decision regarding the type of the waste weir will be taken after sufficient number of experiements are carried out at Khadakwasla.

Protection of the toe of the dam.

(*iii*) The height of the dam at Vaiterna would be about 250 feet including foundation. It is necessary to carry out experiements at Khadakwasla to find out the most economical method to protect the toe by preventing scouring on the downsteam side.

Economical size of the main from Vaiterna to Powai.

(*iv*) It is found that the most economical size would be 96" diameter which will carry 110 million gallons per day.

Preliminary Works.

(*v*) These works such as access roads to the site of dam and tunnel faces, temporary weirs for Water Supply to camps and works, temporary housing accommodation, purchase of vehicles, machinery etc., had progressed at the end of the year.

Boring works.

(*vi*) Core Borings for both tunnel and dam sites were taken after which Dr. B. C. Roy, the Superintending Geologist to Government of India was invited to inspect the sites and he was satisfied with the results obtained. His full report is waited.

Rain gauging in the catchment of 'Ar' River.

(*vii*) During the monsoon the rain gauging work in the catchment of 'Ar' river which offers a combined hydro-electric and Water Supply project was undertaken.

Survey work of Kalu and Shai Rivers.

(*viii*) The work of the survey of the Kalu and Shai rivers which are the next sources of augmentation of City's supply was taken up to ascertain their suitability and the work was in progress at the end of the year.

(*ix*) Following models were prepared :—

Clay and wooden models.

(*a*) A clay model showing the topography of the Vaiterna and Tansa catchments and other details. (*b*) A wooden model of cement concrete hollow Bultressed Dam (Bull headed type) for a height of 175 feet suitable for Vaiterna gorge. (*c*) A wooden model of the proposed cement concrete dam at Vaiterna with devices to show various F.S. Levels and different types of waste-weirs such as side channels, central spillway and syphons.

IX,—FIRE BRIGADE.

Fire Stations and Appliances.

The number of Municipal Fire Stations during the year under report continued to be 10. The Fire Brigade Department held 17 Motor Pumps (all fitted with 1st Aid appliances), 5 Trailer Fire Pumps, 3 Turntable Ladders, 1 Motor Emegency Tender, 42 Ladders of various types with other special gears for fire fighting and attending special services.

Number of Fires and Estimated Loss.

The number of calls received during the year was 1200 of which 989 were for 703 actual fires as against 1473 calls of which 1225 were for 961 actual fires in the preceding year. The estimated total loss caused to properties damaged by fire was Rs. 55,77,988 as against Rs. 67,49,534 in the previous year. The loss when compared with the average of the last three years shows an increase of Rs. 3,21,374 but it is considerably less than that the of previous year. The decrease in the estimated loss and the number of fires can be attributed to the normal conditions prevailing in the City during the year. The number of calls has, however, increased in the suburbs due to rapid development in trades, industries and residential buildings. Of the total loss, Rs. 9,89,892 was covered by insurance and the total value of properties involved in fire was approximately Rs. 13,13,74,820. The fire appliances covered a distance of 9154 miles for attending calls.

Number of Fire Alarms.

The total number of Fire Alarm Posts including Private Alarms in the City was 195, and 57 percent. of the total calls were received through this system.

General.

His Worship the Mayor of Bombay unveiled the Fire Services Memorial on 14th October 1947. Mr. M. G. Pradhan, Dy. Chief Officer, Fire Brigade, toured United Kingdom, Canada, and America to study Fire Services in those countries.

Mr. Norman Coombs, Chief Officer, Fire Brigade was granted leave preparatory to retirement from 4th March 1948 and Mr. M. G. Pradhan, was appointed to act in his place from the date. Mr. Coombs however, availed of the leave granted to him from 8th April 1948.

Ambulance Service.

A new Chevrolet Ambulance for Street Accident Service was donated by the Millowners' Association on 21st November 1947 and one of the old Ambulances was taken out of commission and consequently the number of Ambulances in actual use continued to be six as in the previous year. The 2 new ambulances on order are expected to be received shortly. The ambulances attended 1388 calls for accidents, 2195 for maternity cases and 2738 for hire cases removing in all 6390 persons as against 1499, 2851, 3690 and 8075 respectively in the previous year. The distance travelled was 40,904 miles as against 49,142 in the previous year. The receipts for the year through hire cases amounted to Rs. 13,984 as against Rs. 19,322 in the previous year First Aid was rendered by the amubalance staff on 127 occasions as against 325 in the previous year

X.—PUBLIC GARDENS.

18 Gardens, 4 Fountains, 2 Band-stands, 7 Traffic Islands, 3 Open Spaces, 47 Recreation Grounds, 1 Statue and Ornamental Box Hedges at 3 places were maintained during the year.

There was an appreciable increase in the number of visitors due to the influx of refugees from all parts of India. The correct number of visitors however could not be recorded as the recording machine was out of order.

The Vegetable Fruit and Flower Show had to be abandoned due to the assassination of Mahatma Gandhi and the period of mourning declared thereafter.

Music programmes could not be arranged during the year due to the disturbed conditions in the city.

For the zoo section 63 mammals, 50 birds and 5 reptiles were received as presents during the year.

Facilities for botanical study to local students and others were continued to be given as before.

The play activities at Mustan Tank, the Willingdon Memorial play ground, the 2nd Pirkhan Street and the Reynolds Road and Rebsch Street Playground continued to be popular.

The expenditure of the Garden Department during the year under report was Rs. 2,69,199-5-3, and the income was Rs. 16,528-15-6.

XI.—VICTORIA AND ALBERT MUSEUM.

The Museum was closed to the public for 1 month for some urgent repairs to the building and it was open to the public for 275 days as against 287,233,307 in preceding three years. The total number of visitors was 9,74,423, daily average being 3,543 as against 3,345 which shows an increase 198 over that of last year. The number of pupils from Primary and Secondary schools who visited the museum was 4,327 as against 2,756 in the preceding year which shows an increase of 1,571. 135 Curators and museum enthusiasts from principal Museums in India, as well as the Director General of Archaecology visited the museum and were interested in the models and Old Bombay collections. The practice of keeping the museum open exclusively to the ladies and children on Wednesday was continued as usual.

XII.—MUNICIPAL LIBRARIES.

The part-time Library opened during 1946-47 was continued throuhg-out the year.

947 books purchased during the year were accessioned, classified and catalogued, and classification of old stock of books from Halai Memon Library was undertaken.

Additional magazines and some newspapers were subscribed to during the year.

The total number of visitors was 307706 as against 312222 in the previous year ; that of books issued against deposit, during the year, was 27229 as against 29264 during the previous year.' The fall in the number is due to civic disturbances for the city.

XIII.—GENERAL STORES.

Tenders were invited for the purchase of Stores during the year in 80 cases against 87 cases in the preceding year.

Total purchases effected during the year including articles received on R. S. Mema from other Municipal Departments amounted to Rs. 28.19 lakhs against Rs. 17.68 lakhs in the preceding year. The increase is due to the higher demand for the supply of materials. The balance of stock in hand on 31st March 1948 was worth Rs. 14.47 lakhs against Rs. 9.60 lakhs in the preceding year.

The total number of orders placed with the contractors and other dealers was 4,405 against 4,221 in the preceding year. The number of indents inclusive of sales mema received from the departments. was 23,873 against 20,609 in the preceding year. Most of the articles purchased during the year were of Indian manufacture and the value thereof amounted to Rs. 27.19 lakhs. The value of foreign goods purchased amounted to Rs. 1.00 lakh. During the year no dust bins could be sold to the house-owners owing to the difficulty of securing G.I. sheets which are under Government control.

The total turn-over of the department *viz.*, receipts and issues of stores came to Rs. 51.52 lakhs against Rs. 36.14 lakhs in the preceding year.

The stock of stores was verified but no case of any appreciable difference in stock was noticed. The abnormal conditions created by the war reacted sharply on the department during the year as before. The rates quoted in the annual tenders for the year 1948-49 invited in the months of November and December 1947, were considerably higher than the market rates and some of the tenders had, therefore, to be rejected.

Apart from the Scarcity of materials, the various control orders aggravated the difficulties of the department and increased its work enormously.

The department, however, successfully encountered these difficulties and played its role of a major supplying agency to the different Municipal Departments.

XIV.—LICENCES, SHOPS AND ESTABLISHMENTS.

Licences.

The number of permits and licences, *viz.*, 28,739 issued during the year under report exceeded by 143 issued during the previous year. These permits realised fees of Rs. 6,14,542 against Rs. 2,55,936 in the previous year. 677 notices of demand were outstanding at the end of the year and the fees therefrom amounted to Rs. 14,743. The corresponding figures for the previous year were 696 and Rs. 9,620 respectively.

This year the loss of revenue incidental to the disuse or demolition of old licensed places amounted to Rs. 23,288 against Rs. 17,167 in the previous year.

Sky-signs and Advertisements.

The total number of permits issued for exhibiting sky-signs and advertisements was 2,028 which realised Rs. 2,08,364 as revenue while the corresponding figures for the two previous years, *viz.*, 1946-47 and 1945-46 was 1,930 and 2,116 and Rs. 1,54,245 and Rs. 1,40,958 respectively.

Hawkers and squatters.

The total number of hawkers and squatters licences issued during the year was 43,352 as against 39,545 and 43,272 during the previous two years 1946-47 and 1945-46. The fees realised were Rs. 2,79,338 against Rs. 1,55,033 and Rs. 1,65,923 in the previous years 1946-47 and 1945-46.

Prosecutions.

During the year, the Licence Department instituted 2,165 prosecutions for offences under Sections 328, 328A, 394 and 412A of the Municipal Act against 2,035 for the previous year. The total amount of fines inflicted was Rs. 20,959 against Rs. 20,306 of the previous year.

The revised Schedule of Licence Fees was brought into force during the year.

The total revenue of the department was Rs. 11,42,025 against Rs. 5,88,129 in the previous year.

The Special Annual Cattle Census, 1948, was carried out by the department at a total cost of Rs. 2,700 which was met by Government.

Shops and establishment Act.

During the year, 375 fresh complaints were received in connection with the Shops and Establishments Act and the Rules made thereunder, in addition to 19 that had remained uninvestigated during the close of the preceding year. In all 340 complaints were investigated and action taken thereon wherever necessary. The total number of mass raids carried out during the year was 126. The number of visits and re-visits paid to different kinds of establishments was 73,883.

Prosecutions under Shops and establishment Act.

Of the prosecutions launched in the previous year, 1,195 were not disposed of and upto the close of the year under report, 5,120 new prosecutions were launched. Out of 6,315 cases, during the year under report 5,899 were disposed of, 5,784 resulting in convictions, 79 being withdrawn and 36 being in acquittals. The total amount of fines inflicted was Rs. 1,10,838 and the grant-in-aid received from the Government was Rs. 37,937 for the year 1946-47.

XV.—MARKETS AND SLAUGHTER HOUSES.

Markets Receipt.

The total revenue from Markets and Slaughter houses was Rs. 29.88 lacs against Rs. 22.60 lacs in the preceding year showing an increase of Rs. 7.28 lacs which was due to the increase in stallage charges, fair fees, squatters fees, etc.

Municipal Markets.

The number of Municipal markets in the year remained the same, *viz.*, 17 and the net receipts from them amounted to Rs. 13.60 lacs against Rs. 9.37 lacs in the preceding year showing an increase of Rs. 4.23 lacs. The average percentage of vacant stalls per quarter was 7.54 as against 8.07, 8.56, and 10.38 respectively in the preceding three years. Receipts from squatters fees, scale fees and encroachment fees amounted to Rs. 8.52 lacs against Rs. 5.96 lacs in the preceding year.

Private Markets Slaughter Houses and Out-side shops.

The number of private markets during the year was 22 and that of private slaughter houses 2 as in the previous year. Licence fees was realised from 16 private markets and 1 Slaughter house; fees of five private markets was kept in deposit while the Licence fee of one Private Market and Slaughter house was in arrears. The fees realised from the 16 Private Markets and 1 Slaughter house during the year was Rs. 31,984 as against Rs. 48,974 realised in respect of 19 Markets & 1 Slaughter House in the Previous year. A sum of Rs. 700 was also received from certain firms dealing in imported meat and foreign fish. Licence fee amounting to Rs. 1,900 was received from butchers having stalls in private markets. The number of outside meat shops was 189 as against 187 in the previous year and the fees realised in respect of the shops was 12,082, against Rs. 8,931 in the previous year.

Unwholesome and Contraband Meat.

The total quantity of unwholesome articles such as meat, fish, fruits, vegetables, etc., including contraband meat seized and destroyed was 847,976 lbs., the contraband meat seized and destroyed being 14,836 lbs. against 11,198 lbs., in the previous year. In all 420 seizures were effected and prosecutions instituted with the result that 408 persons were convicted and fined.

The number of animals slaughtered at Municipal slaughter houses at Bandra was 11,22,340 against 10,14,426 in the preceding year. Of these 80,383 were cows and bullocks, 6,251 buffaloes 10,35,706 sheep and goats against 75,985 ; 6,085 ; and 9,32,356 respectively in the previous year. The number of pigs and piglings slaughtered at the Arthur Road Pig Slaughter House was 11,965 against 11,199 in the previous year.

Municipal Slaughter House.

The amount of fair ground fees received at the Bandra Slaughter Houses was 3,43,950 against Rs. 3,38,852 in the previous year. Fees recovered from the Kurla Municipality were Rs. 28,810 against Rs. 31,610 in the previous year. The slaughter and removal fees realised at the Bandra Slaughter House together with the slaughter fee at the DeLisle Road Sheep Market amounted to Rs. 5,67,204 against Rs. 4,77,262 in the previous year. Other miscellaneous receipts amounted to Rs. 1.93 lacs against Rs. 1.60 lacs in the previous year.

XVI.—THE K. E. M. HOSPITAL AND SETH G. S. MEDICAL COLLEGE.

K. E. M. Hospital

The numbers of beds for men, women and children at the Hospital was 325 and 145 and 40 respectively, making a total of 510 beds against the same number in the previous year. The Hospital Extension Programme could not be proceeded with due to unfavourable conditions during the year under report. The total number of in-patients admitted during the year was 18,692 against 17,096 and 16,221 in the two previous years, respectively. Of the total 18,692 in-patients including 540 patients of the previous year, 7,195 were cured, 5,997 were discharged and relieved, 3,140 either prematurely left the Hospital or were otherwise discharged or died, leaving a balance of 540 at the end of the year. The maximum number of in-patients on any one single day was 670 and the daily average was 583.72. The average number of days each patient was resident was 11.74 days against 11.08 days in the previous year. The average cost per in-patient per day rose to Rs. 6-0-0 against Rs. 5-3-10, Rs. 4-12-8 and Rs. 4-3-4 in thee previous years. Similarly, the average cost per in-patient admission also showed a rise, being Rs. 68-9-4 against Rs. 64-9-8. Rs. 58-2-10 and Rs. 50-14-11 in the preceding three years.

The total number of out-patients treated during the year was 1,22,262 showing a rise of 7,368 against 1,14,894 of the previous year. The corresponding numbers of casualty patients were 27,612 and 26,064 respectively. The total number of out-paitent attendance during the year was 4,31,293 as against 4,67,045, which gives a daily average of 1,446.60 against 1,557.19 in the previous year. The highest number of out-patient attendance on any one day was 2,139 against 2,198 in the previous year, while the corresponding figures for new out-patients on a single day were 598 and 711 respectively. An amount of Rs. 94,354 against Rs. 35615 of the previous year was spent for affording relief to poor patients out of the poor-box charity fund for expensive drugs, injections, blood transfusions, etc. This amount is not taken into account while working out the above averages.

The total number of operations on in-patients and out-patients performed during the year was 6,854 and 11,669 respectively, against 6,576 and 11,188 in the last year.

The number of blood samples collected for transfusion was 985 as against 1,170 of the previous year.

The total number of school children treated in the different departments of the Hospital was 5,310 against 2,879 in the previous year.

The total cost of the Clinic was Rs. 11,270 against Rs. 10,028-5-0 in the previous year.

The Poor Box Charity Fund continued to give deserving patients much needed relief which could not ordinarily be given out of the Municipal Fund. The total amount thus spent out of this fund came to Rs. 1,00,292, including printing and stationery, establishment, travelling and other miscellaneous expenditure, while contribution during the year by way of collections from out-patient boxes, ward boxes, donations, etc., amounted to Rs. 91,767.

SETH G. S. MEDICAL COLLEGE.

Of the 82 fresh admissions in the College in June 1947, 81 were single and 1 married. Of the 632 students on the roll at the close of the year, 142 were lady students and 70 post-graduate and research students against 133 and 70 respectively, at the end of the previous year, when the total was 590. Out of 520 students sent up for various examinations 288 passed the whole examination against the corresponding figures of 505 and 292 of the previous year.

A total expenditure of Rs. 3.79 lacs, (including payment of dearness allowance of Rs. 0.52 lac) against Rs. 3.28 lacs and Rs. 2.86 lacs in the previous two years, respectively, was incurred on the College and the Hostels attached to it while the revenue derived by way of tuition fees, hostel rent etc., was Rs. 1.58 lacs against Rs. 1.49 lacs and Rs. 1.42 lacs in the previous two years, respectively. The gross cost and the net cost per student worked out at Rs. 675.2 and Rs. 394.5 respectively, against Rs. 539.1 and Rs. 252.3 in the previous year. The amount of fees received from the post-graduate students was Rs. 8,295 against Rs. 11,355 and Rs. 7,710 in the preceding two years.

The number of male students residing in their hostel during the year was 167 and that of female students residing in the lady students hostel was 28. 18 more lady students were accommodated in the vacant rooms in the Nurses' Home of the K. E. M. Hospital.

The income derived from and the expenditure incurred on the Hostels were Rs. 20,499 and Rs. 18,741 respectively, against Rs. 19,010 and Rs. 21,785 in the previous year.

XVII—B. Y. L. NAIR CHARITABLE HOSPITAL, BOMBAY.

This is the first complete year's report of the Hospital under the Municipal Management. There were 160 beds in the hospital distributed as under :—

Medical	...	60
Surgical	...	52
Gynaecological	...	12
Ophthalmic	...	6
Aurual	...	8
Skin and Venereal	...	6
Maternity	...	16
Total	...	160

The total number of 3926 in-patients were treated during the year. Out of these 2418 were cured, 798 were relieved, 189 died, 379 were discharged otherwise, and 142 remained in the hospital. On an average, per day, 136 in-patients were in the hospital. Each in-patient was resident for 12.5 days on an average. The average cost per patient per day was Rs. 4-7-8.

The total number out-patients treated during the year is 55,908. There were about 1,676 casualty cases treated in the Hospital. The average cost per patient per day was Rs. 1-3-10.

The total number of 1067 operations were performed on in-patients and 760 on out-patient.

TOPIWALA NATIONAL MEDICAL COLLEGE, BOMBAY

The Government of Bombay have agreed to give a grant-in-aid for the maintenance of the College. The College has applied for extension of affiliation to the Bombay University for clinical courses and efforts are being made to meet with all the University requirements for the purpose.

Sixty new students were admitted in June 1947 to the 1st year M.B.B.S. class of the College. A total number of 325 students were on the roll of the College during the year under report, including 20 refugee students admitted to the last 2 years of the L.C.P.S. class to enable them to complete their studies. 45 students (male) were accommodated in the Hostel. Out of the 74 students sent up for the L.C.P.S. course 30 passed out during the period under report. A total expenditure of Rs. 1,00,908-14-0 was incurred on the maintenance of the College.

XVIII—THE NAIR HOSPITAL DENTAL COLLEGE.

The Nair Hospital Dental College was started in the year 1933, in the Dental Department attached to the Bai Yamunabai L. Nair Charitable Hospital. The minimum qualification for admission to the four years' dental course leading to the Diploma of L.D.Sc. (Bom.), is Matriculation. The Diploma Examination is conducted by the Joint Board of Examiners nominated by the Government of Bombay and appointed by the Advisory Dental Board of the College. The Licentiates of the Institution are eligible for permanent Commission in the Indian Army Dental Corps. The College possesses 26 dental chairs and 2 well equipped laboratories and provides all facilities for teaching dentistry. The College clinics treat patients suffering from dental ailments at a nominal cost.

During the period under report, Dr. V. M. Desai, D.D.S.,F.I.C.D., was the Dean of the College. The College Staff consists of 6 Dental Professors, 11 Medical Lecturers and 14 Demonstrators. 80 Students were on roll during the year, 18 of them being lady students; 13 students obtained the Diploma.

In the College Clinics about 12,500 patients were treated, 87 full sets of artificial teeth, 54 partial sets, 3 gold bridges, 8 gold inlays, 299 silver fillings, 280 X-Ray plates, 1,047 scaling and Pyorrhoea treatment, 5,164 extractions of teeth, 1,977 consultations, etc., were given to the patients.

1 Dental X-Ray Unit and 1 Dental Chair and other equipment worth about Rs. 9,500 have been purchased during the year. A proposal for the construction of a Building for the Dental College has been approved by the Corporation and the work will be taken in hand shortly.

XIX—EDUCATION.

(Schools Committee's Department).

Schools Committee's Meetings.

The Committee held in all 53 meetings during the year. The number of meetings of the various Sub-Committees held during the year was 38.

Municipal Schools and pupils.

The total number of Schools and Classes on 31st March 1948 was 399 and 26 respectively as against 397 and 25 on 31st March 1947.

During the year under report the number of pupils in Municipal Schools increased from 1,02,510 to 1,15,599.

Teachers in Municipal Schools.

The number of teachers (permanent and non-permanent) on 31st March 1948 was 3,590.

Aided Schools and pupils.

The total number of Aided Schools was 216 and the number of pupils therein rose from 47,451 to 49,363. Besides the Aided Schools, there are also other schools which are recognized but do not receive a grant-in-aid from the Schools Committee. The number of such schools was 16 with 4,489 pupils in them on 31st March 1948.

The total number of full-time and part-time teachers in the Aided Schools at the end of the year was 2,091 as against 2,019 of the previous year.

The total amount of grants paid during the year was Rs. 3,53,609 as against Rs. 3,71,472 in the previous year.

The total amount of expenditure incurred by the Aided Schools, as shown by them, amounted to Rs. 27,88,592. The average number of pupils on rolls in Aided Schools during the year was 48,149 and on the basis of this number the cost per pupil in these schools works out to Rs. 57.9 as against Rs. 50.5 in the previous year. The cost per pupil to the Municipality by way of grant was Rs. 7.7 as against Rs. 8.2 of the previous year.

Central Schools.

The number of pupils studying in the Municipal Central Schools, *i.e.*, Schools wherein provision has been made for the teaching of Vocational subjects such as Carpentry, Tailoring, Sign-board painting, etc., was 803. The number of pupils from Central Schools who appeared for the Carpentry Examinations was 172 and 127 out of them were successful. In the Tailoring Examination 145 pupils were successful out of 207 pupils sent up. The Annual Handicraft Exhibition was held in the third week of March 1948 and the sale proceeds of articles disposed of at the Exhibition amounted to Rs. 3,687.

Free and Compulsory Education.

The annual census of non-attending compulsoy age children was taken in the month of October 1947. It recorded a figure of 15,664 children of compulsory age, as non-attending. Out of these 3,925 children were brought to Schools during the course of the year. Owing to lack of sufficient funds, no special efforts could be made to bring in a greater number of non-attending children. A new scheme for devising ways and means of bringing in the maximum number of non-attending children to primary schools, has been drawn up and the same is under the consideration of the department. Acute shortage of housing accommodation for the Municipal Schools was felt during this year also and the system of holding schools in two sessions which was in force for the last three years was continued during the year under report.

Income and Expenditure.

The year under report opened with a balance of Rs. 20,000 as usual and the total amount at the disposal of the Schools Committee was Rs. 84,40,833-0-9. The total expenditure for the year, excluding the expenditure on the Head Office, which is met from the General Municipal Fund amounted to Rs. 84,20,833-0-9 leaving a closing balance of Rs. 20,000. The staff of the Schools Committee's Head Office consists mainly of Secretarial, Accounts, Correspondence and Record Branches of the Department. The expenditure on account of this staff for the year came to Rs. 85,741-9-3.

Government Grant towards Primary Education.

The total amount of grant paid by Government to the Municipality during the year for Primary Education amounted to Rs. 9,74,017.

Average cost per pupil.

The average cost per pupil in Municipal Schools calculated on the number of pupils on the rolls (1,15,599) on the last day of the year was Rs. 69.6. The figure for the previous year was Rs. 64.01. Calculated on the average number of pupils on rolls throughtout the year (1,12,406) the figure works out to Rs. 71.5 as against Rs. 58.04 of the previous year. If the expenditure on the Head Office be also taken into account, the corresponding figures for the year under report calculated on the number of pupils on rolls on the last day of the year and on the average number of pupils on rolls throughout the year comes to Rs. 70.3 and Rs. 72.3 respectively.

Boy Scouts.

The number of Troops and Packs at the end of the year was 58 and 102 respectively and that of Scouts and Cubs was 1,638 and 3,142 respectively.

The Taikalwady Welfare Centre maintained by the Municipal Boy Scouts Association out of the Annual grant of Rs. 900 sanctioned by the Standing Committee carried on its usual activities during the year. The maintenance of this Welfare Centre has been transferred by the Corporation to the Municipal Health Department from the ensuing year.

Girl Scouts.

The total number of Girl Scouts and Bulbuls at the end of the year was 1,383 and 2,613 respectively, the number of companies and flocks being 51 and 111 respectively.

Teaching of Hindustani in Municipal Schools.

The teaching of Hindustani in Municipal Schools introduced for the last couple of years was continued during the year and about 41,000 pupils of the Marathi and Gujarati Boys' and Girls' Schools came within the scope of this Scheme. The two Training Classes opened in the previous year for Teachers to take requisite training for imparting instruction in Hindustani, had, however, to be closed down towards the middle of the year under report as a measure of economy.

Gratis use of School premises.

The free use of Municipal School premises for running Government Milk Centres—both in the morning and evening—continued to be granted in the year under report. Apart from this, several recognized institutions were allowed the gratis use of Municipal school premises for running Hindi, Hindustani and Adult Literacy Classes and Schools, out of the school hours.

Miscllaneous and General.

(A) At the instance of Dr. T. R. Naravane, the Chairman for the year, a grand display of Mass Drill of about 25,000 school children was planned early in the year. On account of some difficulties encountered it had, however, to be postponed from time to time and was actually held on 4th April 1948, *i.e.*, at the commencement of the year next to the one under report.

(B) The stock of Books in the Municipal Teachers' Library was further replenished by the addition of about 100 new books.

(C) The work of printing Teachers' Diaries and Progress Cards and Registers, undertaken in the previous year was duly completed at the beginning of this year and they were introduced in all the schools at the commencement of the academic year.

(D) The seven Ward Local Committees carried on their usual work during the year and a joint Conference of the members of all the seven Ward Local Committees and those of the Schools Committee was held at the Corporation Hall in October 1947.

(E) The work of the Audit Department and the Co-operative Credit Society of the employees of the Schools Committee was carried on as in the previous years.

XX—PUBLIC HEALTH DEPARTMENT.

There was no relief in the overcrowding and congestion experienced in the year 1946. Though City's population was reported to have comedown from 26 lacs at the end of the year 1946 to about 25.53 lacs the decrease did not in any way lessen the acuteness of overcrowding. The communal disturbances continued to affect the City from the beginning of the year 1947 and took a toll of 314 persons. "S.S. Ramdas" tragedy added no less than 37 deaths. Plague, Small-pox, and Cholera kept the Health Authorities anxious throughout the year while the riotous condition in the City rendered difficult systematic and prompt conservancy and sanitary services, especially in the affected areas. These disturbances affected the attendance at the clinics, dispensaries, hospitals, etc., hampered the work of medical inspection of schoolchildren, welfare work among the labour class and propangada work. Nevertheless the year passed off as a normal one and the various index statistical rates could be maintained very low. The infant mortality and the maternal mortality rates were infact the lowest recorded so far *viz.*, 166.6 and 2.1 respectively.

The rates calculated on the actual population for the year 1947 have been based on the population figures as reported by the Rationing Authorities at the end of the year 1946 *viz.*, over 26,50,000.

Births.—The number of births registered during the year were 50,833 against 53,469 in 1946 and more by 7,043 than the average of the decennium (1937-46).

The total number of deaths registered during 1947-48 was 37,619 as against 41,264 in 1946.

Infant Mortality.—Mortality amongst infants (under 1 year of age) during the year was 8471 being less by 1975 than that of the preceding year and the rate per 1000 live births was 166.6 as against 195.4 in 1946. This rate is the lowest recorded so far in the history of the Public Health Administration. If the number of deaths of infants born outside the City was excluded from the total number of deaths among infants, the rate of infant mortality per 1000 live births registered would be 124.6 instead of 166.6 as shown above.

Measures for the prevention of infant mortality.—The maternity and child welfare work comprising of ante-natal, post-natal, infant and pre-school care both domiciliary and at the clinics connected with the five maternity homes was carried on by the Medical Officers in charge of the Homes with the help of the Health Visitors.

The Health Visitors paid 54,744 visits and attended 51 cases of confinement at home during the year, while the Medical Officers in charge of the maternity Homes paid 4094 visits. Out of the total number of births in the City 80.8 per cent. took place in the maternity homes and hospitals as against 77.1 per cent. in 1946. The maternal death rate recorded during the year was 2.1 which is the lowest recorded so far.

The Corporation accepted the proposal of starting two Birth Control clinics in municipal institutions as an experimental measure under Corporation Resolution No. 103 of 2-5-1946.

Accordingly 2 Family Planning Clinics were started one at Girgaon, District No. 6 and another at Dadar in District No. 10 from 1st March 1947. A lady doctor was appointed on 1st February 1947 in charge of these clinics with a staff consisting of 1 Health Visitor and 1 Ayah to assist her in her work. The total number of attendance at the clinic during the year from 1st April 1947 was 268 and in all 78 women were supplied with appliances.

Infectious diseases.—The total number of cases of infectious diseases reported during the year was 4282 as against 5800 in 1946.

To control Typhoid fever by elimination of flies with the use of D.D.T. an organisation with an Insecticide officer at its head was started under the direct control of the Executive Health Officer in September 1947. This officer was assisted in his work by a staff consisting of 2 Junior Overseers, 1 clerk, 20 labourers and 2 peons. His work started in 2 of the 10 districts namely Nos. 6 and 10. Another measure adopted was the appointment of an Inspector for the destruction of rotten and unwholesome food exposed to flies and dust in the City with effect from 1st October 1947. His sphere of work is confined to A and D Wards only. He is assisted by 4 constables in his work.

During this year 1,615 inoculations against Plague 1,35,183 against Cholera and 192,304 against Typhoid which is endemic in the City were carried out. 57,846 primary vaccinations and 2,36,497 revaccinations were done against Small-pox.

The total number of patients admitted during the year at the Arthur Road Hospital and Maratha Hospital was 7,234 the highest number recorded and 924 respectively as against 6,311 and 933 in the preceding year.

Leprosy.—There is no municipal institution for the isolation and treatment of cases of Leprosy. The Acworth Leper Home has been doing this work for over last 55 years. The Home also conducts an out-patient clinic.

During the year 1581 contacts were examined in homes, 46 brought to the clinic for examinati on, 35 who had ceased attending the clinic were persuaded to resume treatment, 29 were discovered as lepers by examination of contacts. In all 2,864 domiciliary visits (first 333 and 2531 subsequent) were paid by the Health Visitors during the year.

Malaria.—Malaria was registered as the cause of 92 deaths as against 94 in 1946 and the total number of cases treated at the Municipal dispensaries was 593 as against 865 in the previous year which formed only 0.3 per cent. of the total new cases treated at the municipal dispensaries for different ailments. The total number of attendance of patients at public hospitals etc., during the year was 12,281 as against 16,835 in the year 1946.

Venereal Diseases.—The total attendance and its daily average at the Bellasis Road clinic for treatment of Venereal diseases was 1,42,040 and 545.3 as against 1,36,947 and 520.7 in 1946. The total number of Venereal cases treated during the year was 14,194 as against 12,768 in 1946.

Medical Relief.—Free medical relief to out-patients was rendered at the 19 municipal dispensaries. The number of new cases treated at the dispensaries during the year was 1,66,393 (1,09,787 males and 56,606 females) against 1,78,936 in 1946. The total attendance numbered 6,01,148, as against 6,45,183 in 1946. In addition, women and children were treated by 2 part-time lady doctors at 6 Municipal dispensaries in the City twice a week and by the lady doctors in charge of 5 Maternity Homes at the 5 anti-natal and post-natal clinics attached to the Homes. The number of new cases treated at these dispensaries was 21,485 (16,682 women and 4,803 children) as against 23,023 in 1946. The total attendance at these dispensaries was 1,24,928.

Bai Lingubai Dispensary at Kamathipura has Bhoomayya Poshetty Ashnel Free Opthalmic Hospital attached to it. The hospital has an accommodation of 12 beds, 6 for males and 6 for females with a small operation theatre. The total number of new cases treated during the year was 5.835 (4,481 for eye and 1.354 for ears) as against 7,745 in 1946, the number of in-patients treated being 125 as against 119 in the previous year. The total attendance of patients (including subsequent visits) was 43,189 as against 52,481 in 1946.

Health Propaganda and Education.—102 mass anti-typhoid campaigns were arranged and 39,406 persons were inoculated on spot. 1,300 leaflets and 1,000 posters on Typhoid were distributed to 75 schools and 25 social institutions in various languages.

Slides on Typhoid and necessity of inoculation were distributed for exhibition to 13 talkies Houses in the City and 300 shows of Health Education films were arranged in labour areas and other parts of the City.

14 Health Exhibitions which covered various subjects such as child health and guidance, general sanitation, communicable diseases etc., were arranged at the different places in the City.

Conservancy.—Conservancy services were considerably affected by the communal riots in the beginning of the year and by the great influx of refugees from Pakistan.

As usual the work of sweeping and cleansing roads, foot-paths, house-gullies was done twice daily while places of recreation ,main thoroughfares etc., were attended to more than twice daily.

The daily average in square miles of roads, footpaths, and house-gullies cleaned regularly throughout the day was 2,69.471, 248.5, 104.00 respectively. The total refuse collected and removed through the Municipal agency was 8,30,375 tons (inclusive of house, street, trade and market refuse) as against 7,76,250 tons in the previous year whereas the total amount of refuse disposed of by various methods was 10,78,536 tons as against, 10,54,780 in 1946.

The system of house to house collection of refuse is in vogue in A, D, F and G Wards and as a result of the extension of this Scheme 13 refuse sheds and 9 dust bins were done away with.

Roads,foot-paths and house-gullies were as usualswept, scraped, and washed. Area of 80,078,36 square yards of roads was swept, 28,977 tons of scrapings removed, 33,65,679 sq. yards of gullies flushed, 1,54,321 temporary chokes in gully traps removed and 12,418 pipe lines cleaned during the year. 6,44,690 basket loads of excrementitious matter from the privies and 82,46,860 gallons from Cesspools were removed.

The work of cleaning the septic tanks attached to private premises hitherto done by this branch was transferred to Drainage Department from 1st June 1947.

The total number of rats caught and destroyed during the year was 8,38,478 as against 6,78,982, the highest catch recorded so far in ahy year. None of the rats caught and destroyed was, on examination at the Haffkine Institute, found infected with Plague.

7,309 dogs were caught as against 4,450 in 1946. Out of these 6,199 were destroyed, 546 returned to owners and 564 detained in the dog kennel at Mahalaxmi Refuse Siding. 2,989 dog bite cases were reported this year as against 2,779 in last year. 7,967 dogs were licensed during the year as against 7,943 in 1946 under the Dog Licensing Act ; the total income under the operation of this Act amounted to Rs. 40,412-12-0.

With a view to abating the nuisance caused by the stray animals in the City 267 regular raids. were carried with the help of the police and 1,133 animals caught and impounded in the Police Pound,

To prevent Rinderpest among the milch cattle in the City the work of immunization was undertaken by the Municipality this year also. The total number of incoulations done during the year was 15,023. This reduced Rinderpest considerably, as there were 31 cases as against 81 last year.

In addition to the above activities the Conservancy Branch attended to calls for ambulances for cases of infectious diseases and dead body vans, hearses and various types of nuisance from monkies cats, pigeons. The Branch also rendered special Halalkhore and Conservancy services to various circuses, exhibitions, Amusement parks, big concerns and industrial establishments for which Rs. 4,884-9-0 and Rs. 17,810-6-6 were realised.

School Health Works.—The total number of schools visited during the year was 266 out of which 146 were boys' Schools and 120 girls Schools as against 223 schools in the previous year. In these 26,245 children were examinaed in all, 14,151 boys and 12,094 girls. Of the children examined 19,092 were found suffering from one or more defects. The total number of defects detected was 34,337. The percentages of common defects to the total number of defects detected were 27.0 General Debility due to mal-nutrition, 26.0 Dental, 12.1 Skin Diseases, 12·0 enlarged Symphatic glands, 9.4 throat, 4.7 eye, and a small percentage of defective vision, heart and circulation, nose, lungs, throat etc.

The number of new children treated at the School clinic at the K. E.M. Hospital, during the year was 971 as against 802 in the previous year and 3,794 old cases. A large number of children remained untreated as the clinic was not able to meet the full demand and therefore needs expansion.

During the year, 469 schools were supplied with emergency outfit, 20 spectacles were supplied to poor and deserving students free of charge. Out of the children suspected to have been infected by Leprosy, two were certified by the Superintendent of Acworth Leper Home as infectious and were therefore debarred from attending schools.

1,883 children suffering from minor skin diseases, scabies, ringworms etc., were treated in Schools.

286 talks on different subjects of health were given by the Inspectors as against 246 in the preceding year.

Weak and under-nourished children numbering about 10,000 received each 6 ozs. of pasteurised toned milk free of charge daily except on Sundays and Holidays from the 5th of August 1947 at 281 centres located at convenient schools.

Social Welfare Works.—The Social Welfare Work was as usual carried on among the labour classes by the Welfare Organiser assisted by 3 assistants of whom one is a Health Visitor with a band of part-time workers consisting of 26 men and 22 women at 11 centres in the City (including the centre for the staff of the conservancy branch at Chembur).

The welfare work consisted of recreational, educational, and other activities.

Food Sanitation.—Government discontinued the subsidized milk scheme from 1st March 1947 and introduced a new scheme for supply of milk under their own control.

During the year 4,959 hawkers importing milk by trains were inspected, 709 were found to have no licenses and 449 were carrying milk in open cans without covers and 4 persons detected dealing in skimmed milk containing Boracic Acid as preservative.

Prosecutions were instituted in 917 cases of hawkers found selling milk in streets without a license. The total number of prosecutions for the sale of milk by unlicensed persons and for breaches of the license regulations was 204 as against 127 in 1946.

The total number of samples examined during the year was 31,651 as against 28,674 in 1946. Of these 27,779 samples were examined chemically and 387 bacteriologically. Among the samples examined chemically, 21,712 were of milk, 1051 of ghee and 911 of butter and 697 of vegetable products and the remaining were of other articles of food. 3,489 samples of milk, 198 of ghee and 145 of butter were found non-genuine and the percentages of adulteration were 16.1, 18.8 and 15.9 respectively.

XXI.—MUNICIPAL PRINTING PRESS.

The difficulty of obtaining paper was further aggravated during the current year. As against 60 tons of paper asked for only 35 tons were realised by Government which did not contain any bleached paper. Foreign paper had, therefore, to be purchased from the market at a high cost. Government were requested to spare some quantity of paper for the B.E.S. & T. Committee requirements from the stocks at their disposals but they could not do so. The Press had to use 18 tons of paper out of its stock for the General Election work as the supply from the Mills against release orders from Government could not be had in time. There was also a general increase in the work of the Municipal Departments.

The working and Profit and Loss account for the year shows a surplus of *Rs. 1,817 on the total turnover of Rs. 3.50 lacs as against a surplus of Rs. 2,007 on the total turnover of Rs. 3.04 lacs in the preceding year.

The labour staff on 29th February 1948 consisted of 159 workers as against 148 on 28th February 1947.

XXII—LEGAL ASSISTANT.

During the year under report numerous opinions in various Departmental matters and advices on about 173 documents were given.

36 High Courts Suits, 6 High Court Revision Applications, 2 High Court Criminal Appeals, 68 Small Causes Court suits, 17 Small Causes Court References, 129 Police Court cases, 1 Application before the Commissioner Workmen's Compensation and 27 Assessment Appeals were attended to and dates for adjournment were obtained in 27 cases.

25 Conveyances, 8 Agreements, 11 Declarations and Indemnity Bonds, 62 Leases, 24 Surrenders of Leases, 46 Licenses to Assign, 4 Licenses and Deeds of Covenant 75 Temporary Agreements and Leases and other documents were completed.

XXIII.—Municipal Servants Act.

No circumstances arose in any department of the Municipality in which it was necessary to invoke the provisions of the Municipal Servants Act.

General. Tne Corporation revised the grades of the clerical staff in November 1946 with effect from 1st April 1946. The revised grades were however not accepted by the Subordinate Staff Employees' Union, who gave notice that their members would go on strike from 3rd February 1947, if their demands were not conceded. The representatives of the Union were called at an informal meeting of the Standing Committee and from the talks with them it was obvious that the dispute could not be settled amicably. Government were therefore requested to refer the dispute to adjudication to which the Corporation agreed (*vide* Corporation Resolution No. 1385, dated the 6th February 1947) Sir Harshidbhai V. Divetia, who was appointed the adjudicator award by the Government heard the respective parties and gave his award on 27th November 1947, slightly modifying the original grades as sanctioned by the Corporation and recommending improvements in other service conditions of the employees.

All the recommendations made by the Adjudicator in his award have been adopted by the Corporation and the benefits conferred have also been extended to other members of the allied categories of employees under their Resolution No. 1404, dated the 16th February 1948.

B. K. PATEL,
Municipal Commissioner.

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* The figure indicates working surplus. The work is charged on the basis of actual cost. The Press does not work with a view to making a profit.

FINANCIAL.

No. A.E. 11983-.S.R., of 30th August 1948.

Report from the Chief Accountant on the accounts of the Municipality and the Improvement Schemes for the year 1947-48.

The following statement summarises the transactions for the year pertaining to Revenue, and the actuals for the preceding year :—

	1947-48.				
	Budget Estimates.	Supplementary Budget Estimates (C.R. No. 234 of 12-5-47, 438 of 7-7-47).	Revised Estimates.	Actuals.	Actuals for 1946-47.
	Rs.	Rs.	Rs.	Rs.	Rs.
Opening Balance ..	8,34,000	8,34,000	50,18,789	50,18,789	60,20,358
Transfer from P.W.R. Fund ..	8,68,046	8,68,046	7,94,447	8,36,638	..
Income ..	570,84,867	606,15,567	618,27,982	661,69,242	536,81,414
Total ..	579,52,913	614,83,613	6,26,22,429	670,05,880	536,81,414
Expenditure ..	579,72,230	610,72,030	6,75,41,108	566,12,674	511,92,330
	19,317 (Deficit).	4,11,583 (Surplus).	49,18,679 (Deficit).	103,93,206 (Surplus).	24,89,084 (Surplus).
Balance ..	8,14,683	12,45,583	1,00,110	154,11,995	85,09,442
Reservation for Advances *vide* para. 2 ..	—50,961	—50,961	+14,30,890	—49,25,381	—34, 90,653
Closing Balance ..	7,63,722	11,94,622	15,31,000	104,86,614	50,18,789

2. The details of the reservation for Advances, etc. are :—

	Rs.	Rs.
Increase in :—		
Renewed Grants (including contribution towards Improvements Schemes)	38,26,861	
Miscellaneous Advances outstanding ..	1,24,093	
Reserve Stores (including Capital Stores) Balances ..	10,51,827	
		50,02,781
Deduct—		
Decrease in :—		
Advances for Plant and Machinery ..		—77,400
		49,25,381

3. The net unhypothecated Surplus Cash Balance on 31st March 1948 was as under:—

Liabilities.	Rs.	Assets.	Rs.
Reserve Stock including Capital Stores.	22,68,467	Surplus Revenue Fund as per Appendix No. 2 ..	1,55,49,893
Advance for Plant and Machinery ..	24,45,992		
Miscellaneous Advances ..	3,48,820		
Minimum required by law ..	1,00,000		
Surplus Cash Balance ..	1,03,86,614		
Total ..	1,55,49,893	Total ..	1,55,49,893

4. The opening and closing Reserve Stores (including Capital Stores) Balances for the year 1947-48 are compared below : —

	Opening Balance. Rs.	Closing Balance. Rs.	Increase. Rs.
Serviceable Stores	12,16,640	22,68,467	10,51,827

5. The Loan liabilities at the beginning and at the end of the year were as under :—

Outstanding debt on 1st April 1947. Rs.	Loans raised during the year. Rs.	Repayment during the year. Rs.	Outstanding debt on 31st March 1948. Rs.
12,55,12,354	1,00,08,388	61,31,086	12,93,89,656

The details of the Loans raised are as below :—

(1) Rs. 75,00,000 Being the Loan of Rs. 75 lakhs for 1947-48 at 3¼ per cent., interest with a currency of 30 years, sanctioned under Corporation Resolution No. 256, dated the 9th June 1947.

(2) ,, 20,00,000 Being portion of the loan of Rs. 54 lakhs for 1946-47 at 3 per cent., interest with a currency of 30 years, sanctioned under Corporation Resolution No. 1219, dated the 6th January 1947.

(3) ,, 97,972 Being advance from the Net Premia Fund for purchase of Plant and Machinery repayable by annual equated instalments based on the average life of the machinery at 3 per cent., interest per annum.

(4) 2,10,967 Being advance from the Net Premia Fund for the Renewal of Road Surfaces for which no provision exists in the Renewal Fund repayable in 15 years based on the life of the surface as sanctioned under Corporation Resolution No. 21, dated the 13th April 1939.

(5) ,, 1,99,449 Being advance from the Net Premia Fund for the purchase of Indian Military Hospital at Dharavi and incidental works thereat as sanctioned under Corporation Resolution No. 1657, dated the 20th Marh 1947.

Total .. Rs. 1,00,08,388

The amount of Rs. 75 lakhs under (1) above was raised from the Public, the amount of Rs. 20 lakhs under (2) above was raised by reserving the amount for investment of the Municipal Sinking and Special Funds.

The repayments during the year were as under :—

(1) Rs. 46,24,533 Repaid to Government on the basis of equated payments from revenue in respect of advances taken from them.

(2) ,, 7 92500 Repaid to Debenture Holders of Sinking Fund Investment.

(3) ,, 7 14 053 Repaid Rs. 1,96,419 to different Special Funds out of Revenue on the basis of equated payments, and Rs. 5,17,634 being the amount repaid to Land Sales Reserve Fund from Loan balances in respect of advances from the Funds for Cpital Works.

Total .. Rs. 61,31,086

The position of the Sinking Fund is shown below:—

Amount of Fund on 1st April 1947.	Interest etc. realisation.	Sinking Fund Instalments.	Total	Withdrawn for payment of Loans.	Amount of Fund on 31st March 1948.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
3,47,48,254	14,54,048	20,32,073	3,82,34,375	7,92,500	3,74,41,875

The value of securities, held in the Sinking Fund Account on the basis of market rates prevailing on 31st March 1948, including accrued interest and cash, exceeded the acturial amount of the Sinking Fund by Rs. 28,98,825 wich is held in the Sinking Fund Account. The proposal for utilising the surplus accumulations in the Sinking Fund for general Municipal purposes has been finally approved by the Corporation under their Resolution No. 958, dated the 31st January 1944, and a draft Bill for amending the Municipal Act for the purpose has been submitted to Government.

INCOME.

6. A detailed comparison between the Budget and Revised Estimated and the Actuals will be found in Appendix No. 3. The estimated income for the year including transfer from P.W.R. Fund was Rs. 5,79,52,913 against which the actuals amounted to Rs. 6,70,05,880 resulting in an increase of Rs. 90,52,967 and of Rs. 43,83,451 as compared with revised estimate, *viz.*, Rs. 6,26,22,429. The reasons for increases and decreases are explained in Statement A appended at the end of the Report.

7. The position as regards our income from General Tax, Water Tax and Halalkhore Tax will be seen from the sub-joined statement. :—

		1947-48	1946-47	Decrease.
		Rs.	Rs.	Rs
(1) General tax (including Fire tax)	...	at 14½% upto 30-9-1947 & at 14¾% from 1-10-1947	at 14½%	
Total Collections booked	...	2,38,10,685	2,21,76,748	
Deduct—Recoveries for previous years	...	20,43,072	9,54,338	
		2,17,67,613	2,12,22,410	
Add—Outstanding for the year at the close of the year	...	25,47,076	21,50,235	
Total	...	2,43,14,689	2,33,72,645	
(2) Water Tax at 3¾ per cent. and water charges by measurement and at compound rates—				
Total collection booked	...	1,33,16,543	1,44,57,658	
Deduct—Recoveries for previous years	...	16,84,219	16,88,338	
		1,16,32,324	1,27,69,320	
Add—Outstanding for the year at the close of the year	...	13,65,445	14,11,668	
Total	...	1,29,97,769	1,41,80,988	
(3) Halalkhore Tax at 3 per cent and for special service—				
Total collection booked	...	48,39,087	48,03,155	
Deduct—Recoveries for previous years	...	3,92,131	3,24,494	
		44,46,956	44,78,661	
Add—Outstandings for the year at the close of the year	...	5,53,562	5,12,789	
Total	..	50,00,518	49,91,450	
Net demand on account of Property Taxes inclusive of refunds	...	4,23,12,976	4,25,45,083	2,32,107

TOWN DUTIES.

8. The various articles on which duty was levied at the time of import under the provisions of Section 192(1) of the Municipal Act, the amount levied and refunds allowed thereon under Section 195 on their export are shown in Appendix No. 17.

The gross collections for the year were estimated at Rs. 25,50,000 the refunds and commission charges at Rs. 6,50,000 and the net revenue of Rs. 19,00,000. The revenue collected and paid into the Municipal Treasury in the year amounted to Rs. 96,32,371 and after deducting the amount of Rs. 8,56,643 on account of refundthe net receipts amounted to Rs. 87,75,728 showing an increase of Rs. 71,57,258 as compared with the actuals of the previous year.

Tnis increase is due to:—

(1) Increase of the scale of Town Duty from 1-6-1947,
(2) Levy of Town Duty on additional commodities from 1-6-1947,
(3) and a large number of refund-claims received but not sanctioned during the year by E. & T. D. O.

SALE PROCEEDS OF LAND.

9. The balance to the credit of the Land Sales Reserve Fund at the beginning of the year was Rs. 10,39,204. The interest realized on this fund during the year amounted to Rs. 31,176. The total investments in the Fund thus amounted to Rs. 10,70,380. During the year the sale proceeds of surplus land amounted to Rs. 4,51,190 which fell short of the amount of Rs. 10 lakhs to be credited to revenue on this account by Rs. 5,48,810. This amount was therefore transferred from Land Sales Reserve Fund to Revenue by transfer of investments amounting to Rs. 31,176 and by recoupment of Rs. 5,17,634 out of the amount advanced for financing the Capital expenditure to make good the deficit in the amount of sale proceeds of land to be credited to Revenue as sanctioned under Corporation Resolution No. 705, dated the 19th December 1935. The balance in the Land Sales Reserve Fund on 31st March 1948 is thus Rs. 5,21,570 which has been advanced for meeting expenditure on Capital Works as shown in Appendix No. 6. The area of surplus Municipal land available for sale at the end of the year was about 24,279 square yards (excluding the areas for which there are no enquiries) of the approximate value of Rs. 2,79,208.

REVENUE EXPENDITURE

10. The final sanctioned grants amounted in the aggregate to Rs. 7,05,37,358 as follows :—

		Rs.
Budget Grants	..	5,79,72,230
Unexpended Grants for previous years renewed for expenditure	..	47,87,901
Additional Grants	..	77,77,227
Final sanctioned grants :	..	7,05,37,358

The transfers from one Budget head to another without affecting the total Budget-provision for the year amounted to Rs. 32,78,632.

11. The total unexpended grants estimated to be renewed in 1948-49 aggregate to Rs. 86,62,459 against Rs. 49,52,732 in 1947-48 and the heads under which the renewals are required will be found in Appendix No. 4.

The nature of expenditure to be booked on this account may be classified as under :—

		Rs.
(1) Establishment and labour	..	22,15,984
(2) Repairs including Special Repairs	..	5,77,419
(3) Stores and Materials	..	5,36,866
(4) New Works	..	1,92,821
(5) Law charges, General	..	17,950
(6) Payment to Schools Committee	..	2,99,749
(7) Dearness Allowance	..	11,38,000
(8) Civil Defence Measures	..	66,170
(9) Miscellaneous other charges	..	24,94,528
(10) Interest on Municipal Loans	..	3,18,066
(11) Works carried out from the Post-war Reconstruction Fund	..	4,67,626
(12) Grants-in-aid to Public Institutions	..	3,37,280
Total	..	86,62,459

12. The percentages of establishment proper and of labour to the total expenditure for 1947-48 and the previous year are given below :—

		Rs.	Percentage to total expenditure during 1947-48	1946-47
(1) Establishment proper including supervision	..	82,08,070*	14.5%	14.11%
(2) Labour.	..	57,18,407	10.10%	8.64%

13. The final sanctioned grants for the year aggregated to Rs. 7,05,37,358 against which the actuals amounted to Rs. 5,66,12,674 leaving an unexpended balance of Rs. 1,39,24,684 at the close of the year. Of this Rs. 86,62,459 are being renewed for expenditure during 1948-49 the balance *viz.*, Rs. 52,62,225 being treated as savings on final grants sanctioned as detailed in Appendix No. 4.

The main items contributing to the dearness over Rs. 5,000 under various heads of expenditure under diffirent service heads are shown in statement B appended at the end of the Report.

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*This also includes cost of skilled and unskilled labour shown under head "Establishment" in the Budget. such as : Plumbers, Assistant Plumbers, Malis, Custodian, Hamals, Darwans, Firemen, Liftmen, Labourers, Watchmen, Blue Copy Printers, Jamadars, Havaldars, Peons, Chowkidars, Chaviwallas, Marking Hamals, Birth and Death Registration Peons, Report Bearers, Rat Bigaries, Motor Attendant; Constables, Grave diggers, Attendants at Burning Grounds, Bus Drivers, Cleaners, Mechanics, Assistant Fitter, Theatre Assistants, Ward Assistants and Ward Boys, Developing Attendants, Laboratory Assistant and Boy, Dispensing Attendant, Cooks, Cook's Mates, Butlers, Assistant to Butlers, Dhobies, Barbers, Messengers, Pantry Boys, Ayahs, Sweepers, Bhistis, Tailor, Carpenter, Watch and Ward Peons, Farr ers, Electrician, Caretakers, Nuisance Jamadars, Masons, Dressors, Mukadams Cart Drivers, Bigaries, Steam Roller Drivers, Scarifiers, Store Labourers, Oilman, Petrol Assistant and Labourer, Assistant to Waggon Fitter, Oilers and Greasers. Tindals, Mochi, Turncocks, Halalkhores, Bouquet Maker, Propagators, Park keepers, etc.

LOAN FUNDS.

14. The amount of new loan proposed in the Budget for 1947-48 was Rs. 75 lakhs. When the Loan Works programme for the year 1947-48 was revised the amount of the Loan was retained at Rs. 75 lakhs. The amount actually raised to finance the Capital expenditure including purchase of Plant and Machinery, Renewal of Surfaces of Roads for which no Renewal Fund exists and of roads taken over from ex-Trust, and the purchase of Indian Military Hospital at Dharavi and incidental works thereat was Rs. 1,00,08,388 as detailed in para. 5 above.

Against the loan of Rs. 54 lakhs sanctioned for the year 1946-47 portion of loans to the extent of Rs. 15 lakhs and Rs.20 lakhs were raised during the years 1946-47 and 1947-48 respectively and the remaining portion of Rs. 19 lakhs still to be raised from this loan, will be raised in due course for financing the Capital works programme.

LOAN WORKS EXPENDITURE.

15. Tne opening balance on 1st April 1947 on account of Loan Funds but excluding the Trust Funds was Rs. 13,64,890. Adding to this Rs. 1,00,08,388 raised duing the year the total funds available for expenditure were Rs. 1,13,73,278. The total expenditure incurred during the year amounted to Rs. 54,37,749 made up of Rs. 49,20,115 on account of expenditure on works and Discount and other charges on the loans and Rs. 5,17,634 being the amount repaid to the Land Sales Reserve Fund against the outstanding balance of Rs. 10,39,204 out of the advance of Rs. 22,25,000 taken from that fund for financing the Capital Expenditure in previous years leaving an unspent balance of Rs. 59,35,529 at the close of the year.

16. The following statement contrasts the expenditure on Capital Works with the Budget and Revised Estimates during the last five years :—

Year.	Loan and Trust Funds.			Percentage by which actuals fell short of Budget Estimates.	Percentage by which actuals fell short of Revised Estimates.
	Budget Estimates.	Revised Estimates.	Actuals.		
	Rs.	Rs.	Rs.		
1943-44 ..	23,67,960	38,52,732	19,13,154	19	50
1944-45 ..	27,32,802	43,90,800	15,41,507	44	65
1945-46 ..	43,29,707	50,31,581	17,05,213	61	66
1946-47 ..	68,69,867	84,59,136	26,59,524	61	69
1947-48 ..	70,68,215	1,73,53,618	48,40,490	32	72

Tne above figures do not include the amount on account of subvention, discount and other charges on the New Loan and Repayment of Advance taken from the Land Sales Reserve Fund.

The Revised Estimates adopted by the Corporation were for Rs. 1,83,77,993 including Rs. 1,000 on account of subvention, Rs. 2,63,375 on account of charges for raising the new loan, Rs. 7,60,000 for Repayment of Advance taken from the Land Sales Reserve Fund and Rs. 5,93,496 on account of estimated expenditure under the Trust Fund. The amount of Rs. 48,40,490 shown as the actual expenditure is arrived at as follows :—

	Rs.	Rs.
Expenditure as shown in the summary of Appendix No. 8 including expenditure under Trust Fund and credit on account of assets written of ..	..	49 81 328
Deduct—Expenditure for raising the new loan ..	2 27 884	2 27,884
		47,53,444
Add—Assets written of ..	..	87,046
		48,40,490

17. The following table gives the classification of all the Loan Works under distinctive groups for the purpose of appraising the distinctive character and value to the City in relation to the outlay, the allocation of outstanding debt as on 31st March 1948 and the debt charges involved during 1947-48.

Particulars of City Services.	Amount of loan outstanding on 31st March 1948.	Debt charges for 1947-48.				Total Debt Charges.
		Debt Interest.	Interest accrued but not paid.	Sikning Fund and Repayments.	Bank's Commission and miscellaneous Loan Charges.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
General Services ...	7,21,90,126	30,87,359	4,638	36,78,869	5,254	67,76,120
Self-supporting Services—						
Water Works ...	5,51,12,695	26,24,839	2,555	29,97,552	6,837	56,31,783
Fire Brigade ...	6,48,630	28,768	59	45,728	29	74,584
Markets & Slaughter Houses.	14,38,205	69,777,	40	1,30,876	59	2,00,752
Total ...	5,71,99,530	27,23,384	2,654	31,74,156	6,925	59,07,119
Grand Total ...	12,93,89,656	58,10,743	7,292	68,53,025	12,179	1,26,83,239

SINKING FUNDS.

18. From Appendix No. 10 it will be seen that the book value of investments of the Sinking Funds as on 31st March 1948 amounted to Rs. 3,74,41,875 made up of Rs. 3,74,41,714 being the book value of securities and Rs. 161 in cash with the Imperial Bank of India valuing the Municipal and Improvement Trust Debentures at par, the market value of Sinking Fund Investments held on 31st March 1948 comes to Rs. 3,95,47,217 as shown in Appendix No, 16A. This together with the amount of interest accrued upto 31st March 1948 *viz.* Rs. 2 66 293 and cash with the Imperial Bank of India Rs. 161 brings the total amount of Sinking Fund to Rs. 3,98,13,671 and more than covers the amount *viz.*, Rs. 3,69,14,846 to which the Sinking Fund should have accumulated upto 31st March 1948. The excess in the Sinking Fund Investments account is thus Rs. 28,98,825.

INVESTMENTS AND INVESTED BALANCES.

19. The details of investments made during the year are as follows :—

	Amount.	Average No. of days.
	Rs.	
(1) Current Account Deposits ..	1 04 85 000	164.26
(2) Fixed Deposits ..	7 60 00 000	155..62
Total ..	8 64 85 000	156.55

The interest earned during the year amounted to Rs. 7,75,071 and the details are as follows :—

	Rs.
(1) On Current Account Deposits ..	19 388
(2) On Fixed Deposits ..	5,65,816
(3) On Investments in Public Securities, etc. ..	1,89,867
Total ..	7,75,071

The average rate of interest on Current Account Deposits was .41 per cent,, as against .29 per cent., in the preceding year. The average rate of interest on Fixed Deposits was 1.52 per cent. as against 1.08 per cent. in the preceding year. The rate realised on fixed deposits ranged from 3/4 per cent., to 2¼ per cent. The maximum rate realised on fixed deposits in the preceding year was 2½ per cent.

The average rate of interest on all deposits was 1.39 per cent. as against 1.26 per cent., in the preceding year.

RESERVE STOCK.

20. The opening balance and the receipts of General Stores during the year as per books maintained in this office were Rs. 8,34,247 and Rs. 19,21,948 respectively, and the issues amounted to Rs. 13,25,567. The closing balance of General Stores was, therefore, Rs. 14,30,628, *i.e.*, more by Rs. 5,96,381 than the opening balance.

21. The balances of General Serviceable Stores in charge of the Controller of Stores are compared below for the last five years :—

	Rs.
Balance at the close of 1943-44 ..	7,41,828
,, ,, 1944-45 ..	9,41,034
,, ,, 1945-46 ..	8.93,534
,, ,, 1946-47 ..	8,34,247
,, ,, 1947-48 ..	14,30,628

CAPITAL STORES.

The opening balance of Rs. 3,05,332 together with the receipts of Capital Stores during the year aggregated to Rs. 8,80,951 and the issues to Rs. 4,23,644, thus resulting in an increase of Rs. 4,57,307 in the closing balance of Capital Stores, *viz.*, Rs. 7,62,639 compared with the opening balance.

DEPARTMENTAL STOCK VERIFICATION.

22. Detailed verification of the Reserve Stock at the Central Stores and the two Sub-Depots at Foras Road and the B. B. Pipe Depot for the year 1947-48 was commenced in January 1948 and was completed in March 1948.

Verification of all consumable stores including stationery, animals, furniture etc., was continued during the year. The programme of verification was altered at times and surprise checks were instituted in the various offices situated in the different parts of the City. The Registers both of the Municipality and the Improvement Trust Schemes were found posted regularly and minor discrepancies were rectified. Verification of stores, medicines, dead-stock, etc., at the K.E.M. Hospital was completed during the year. The work of verifying the consumable stores of the B.E.S.T. Committee was entrusted to this section. The work was voluminous and it took nearly four months to verify the stocks at the various depots of the Committee. Lists of discrepancies noticed have been submitted to the B.E.S.T. Committee office. During this period the work of verification of the Municipal departments had to be put off. Special registers for keeping detailed accounts of Plant and Machinery recently introduced are being verified once in a year.

STREET IMPROVEMENTS.

23. The provision made in the Revised Loan Works Budget for meeting claims on account of acquisition of set-back was Rs. 8,05,000 (excluding Rs. 75,000 ear-marked for adding set-back lands to the roads), the expenditure being Rs. 3 16 769. This leaves a balance of Rs. 4,88,231.

After deducting all ascertained time-barred claims, the undischarged commitments upto 31st March 1948 in regard to set-backs already acquired and sanctioned to be acquired amount to Rs. 17,48,924 against which we have a provision of Rs. 3,50,000 (excluding Rs.50,000 ear-marked for adding set-back lands to the roads) in the Budget for 1948-49. In addition to this further liabilities may be expected on account of further acquisition of set-backs that will be sanctioned during 1948-49.

LEVELLING, METALLING, ETC., PRIVATE STREETS.

24. The expenditure on the improvement of private streets is financed in the first instance from the Plant and Machinery Depreciation Fund pending recovery from the house owners.

The following statement shows the figures of advance sanctioned, expenditure incurred and recoveries made during the last five years :—

Year.	Grant (Advance from Plant and Machinery Depreciation Fund)	Expenditure.				Recoveries inclusive of interest and supervision charges.
		Actual Expenditure on works.	Supervision charges.	Interest etc., on Advance.	Total.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1943-44..	76,670	1,354	2,492	3,585	7,431	33,257
1944-45..	86,237	73	..	2,961	3,034	8,418
1945-46..	78,034	11	..	2,683	2,694	16,235
1946-47..	80,000	..	1,028	1,151	2,179	33,146
1947-48..	80,000	..	697	410	1,107	6,164
				Total ..	16,445	97,220

The amount outstanding on 1st April 1943 was Rs. 87,939. Adding Rs. 16,445 on account of expenditure incurred during the years 1943-44 to 1947-48 and deducting Rs. 97,220 recovered during the same period the amount outstanding at the close of the year 1947-48 comes to Rs. 7,164 as shown in Appendix No. 6.

MEASURES FOR CIVIL DEFENCE.

25. Though all A.R.P. Schemes were closed expenditure continued to be booked in settlement of outstanding items.

The final grants sanctioned during the year aggregated to Rs. 2,57,262 against which the actuals amounted to Rs. 87,053 (*vide* Appendix No. 4A).

The final sanctioned grants of Rs. 2,57,262 above referred to are made up of Government allotment of Rs. 63,025 and Municipal allotment of Rs. 1,94,237.

Against the allotment of Rs. 63,025 on Government account the expenditure booked during the year (excluding Provident Fund etc., contribution and supervision charges) amounted to Rs. 18,975 which together with the opening outstanding balance of Rs. 30,819 came to Rs. 49,794. Out of the total amount of Rs. 49,794, recovereis effected during the year amounted to Rs. 460 leaving a balance of Rs. 49,334 as outstanding at the close of the year, which is covered by the depoit of Rs. ½ lakh held by the Municipality on Government account to meet the Government Share of expenditure on A.R.P. measures. As the A.R.P. Schemes have been closed down the above expenditure is adjusted against the Government deposit.

Against the allotment of Rs. 1,94,237 chargeable to Municipal Account under XX.—Measures for Civil Defence, the expenditure booked during the year amounted to Rs. 68,078 leaving an unexpended balance of Rs. 12,6,159 at the close of the year. Of this Rs. 66,170 are being renewed for expenditure during 1948-49 and the rest being treated as savings on final sanctioned grants as detailed in Appendix No. 4A.

IMPROVEMENT SCHEMES.

General Account.

INCOME.

26. The total income for the year amounted to Rs. 112.95 lakhs against Rs. 103.70 lakhs for the preceding year showing an increase of Rs. 9.25 lakhs made up of increases in (1) Rents and other Proceeds of Properties Rs. 7,78 lakhs (2) Receipts on account of Tobacco Duty, Rs. .62 lakh (3) Interest and Profit on Investments Rs. .85 lakh and Miscellaneous Receipts Rs. .03 lakh counterbalanced by decrease in contribution from the Municipal Corporation Rs. .03 lakh. A detailed comparison between the Budget Estimates and the Actuals will be found in Appendix No. 23.

EXPENDITURE.

27. The total expenditure for the year aggregated to Rs. 105.68 lakhs as against Rs. 104.32 lakhs for the preceding year showing an increase of Rs. 1.36 lakhs. This is made up of an increase of Rs. .90 lakh under maintenance of properties and streets and of Rs. .46 lakh under debt charges. The expenditure of Rs. 105.68 lakhs comprises expenditure of Rs. 28.62 lakhs under Maintenance of Properties and Streets inclusive of the Cost of Management and Establishment and of Rs. 77.06 lakhs under Debt Charges. The Appendix No. 24 gives a comparison between the Final Grants and the actuals for the year.

28. The net surplus for the year amounted to Rs. 7,26,868 as shown in Appendix No. 22.

LOANS.

29. The loan liabilities at the beginning of the year stood at Rs. 15,71,76,695. No loan was raised during the year.

The repayment of loans during the year amounted to Rs. 5,80,317 which was repaid to Government on the basis of equated payments out of Revenue in respect of advance taken from them. The outstanding loan liabilities at the close of the year thus stood at Rs. 15,65,96,378. Out of this, the amount outstanding on account of Government loans shown in Appendix No. 29 as Rs. 8,31,77,378 requires some explanation as the whole amount is not eally due to Government. Out of the debentures held by Government, debentures are purchased every year for the purpose of Sinking Fund investments and the debentures thus held on 31st March 1948 amount to Rs. 3,19,00,000. The liability to Government on this account is therefore only Rs. 5,12,77,378.

CAPITAL ACCOUNT.

30. The opening balance on 1st April 1947 was Rs. 1,70,80,172. During the year under report, receipts on account of sale proceeds of lands and buildings amounted to Rs. 17,04,404. These together with the Surplus of Rs. 7,26,868 transferred from the General Account brought the total funds available to Rs. 1,95,11,444. Against this, the expenditure incurred on works amounted to Rs. 4,92,140. The unsepent balance at the close of the year stood at Rs. 1,90,19,304.

EXPENDITURE ON SCHEMES.

APPENDIX No. 26.

31. The actual expenditure incurred during the year on Schemes amounted to Rs. 4,92,140 as against the Revised Estimates of Rs. 26,53,741 (including Rs. 85,686 on account of Cost of Management and Establishment). The total expenditure on Schemes upto 31st March 1948 amounted to Rs. 19,12,44,892 of which Rs. 14,65,586 represent discount and other charges on loans.

SINKING FUNDS.

32. The position of the Sinking Fund is shown below :—

Amount of Fund on 1st April 1947.	Interest, etc., realisations.	Sinking Fund Instalments.	Deduct withdrawn for payment.	Amount of the Fund on 31st March 1948.
Rs. 3,92,29,784	Rs. 17,65,083	Rs. 5,70,495	Rs. ..	Rs. 4,15,65,362

From Appendix No. 28 it will be seen that in the books of Accounts the Sinking Fund as on 31st March 1948 amounts to Rs. 4,15,65,362 of which Rs. 4,15,65,162 represent the book value of the securities and Rs. 200 in cash with the Imperial Bank of India. Valuing the Bombay Improvement Trust and Municipal Debentures at par, the market value of the Sinking Fund Investments held on 31st March 1948 comes to Rs. 4,18,60,338 as shown in Appendix No. 30. This together with the amount of interest accrued upto 31st March 1948, *viz.*, Rs. 1,26,421, and cash with the Imperial Bank of India, *viz.*, Rs. 200 brings the total amount of Sinking Fund to Rs. 4,19,86,959 against Rs. 3,54,74,227 the amount to which the Sinking Fund should have accumulated upto 31st March 1948. The excess in the Sinking Fund Investment account is thus Rs. 65,12,732.

The total amount of loans raised for Improvement Schemes and outstanding on 31st March 1948 comes to Rs. 1,566 lakhs. Out of this Rs. 356 lakhs are borrowed from Govenment the repayment of which is arranged on the basis of half-yearly equated payments. The balance of Rs. 1,210 lakhs represents loans raised by issue of debentures. Out of this Rs. 476 lakhs are borrowed from Government and Rs. 734 lakhs from the Public.

LIABILITIES AND ASSETS.

APPENDIX No. 25.

33. The gross Capital liabilities of the Improvement Schemes stood at Rs. 16,13,54,867 at the close of the year and the assets at Rs. 26 65 88 048 including the book value of lands comprised in Schedules 'W' and 'X resulting in a surplus of Rs. 9.52,33,181 the details whereof are shown in Appendix No. 25.

GENERAL REMARKS.

(000 omitted).

34. In the Budget Estimates for the year the income was originally estimated at Rs. 579.53 (inclusive of Government grant of Rs. 30,00) and the expenditure at Rs. 579.72, the budget deficit being Rs. 19. As a result of re-adjustment of income and expenditure approved by the Corporation under their Resolution No. 234 dated the 12th May 1947 and 438, dated the 7th July 1947, the income was estimated on the basis of the actuals for 6 months as Rs. 614.84 and the expenditure at Rs. 610.72 the budget surplus being Rs. 4.12. On the basis of 8 months' actuals the income for the year was further revised to Rs. 626,22 and expenditure at Rs. 675.41 resulting in the budget deficit of Rs. 49.19. The actual income realised was Rs. 670.06 including transfer of Rs. 8.37 from Post War Reconstruction Fund and expenditure aggregated to Rs. 566.13 including expenditure of Rs. 3.69 on works carried out from the amount transferred from Post War Reconstruction Fund resulting in budget surplus of Rs. 103.93. This was due to improvement of Rs. 90.53 in income and decrease of Rs. 13.59 in expenditure over the original Budget Estimate or improvement of Rs. 43.84 in income and decrease of Rs. 109.28 in expenditure over the revised estimates (8 months, basis). The improvement in income was mainly due to levy of Town Duties from 1st April 1947 on revised basis, revision of license fees and stallage charges in Municipal Markets. The net increse of Rs. 90.53 compared with original estimates, comprised of the gross increases under various heads amount to Rs. 108.98 which are counterbalanced by the decreases amounting to Rs. 18.45 under the heads as detailed below :—

		Rs.	Rs.	Increase. Rs.	Decrease. Rs.
General Tax—					
From Public	..	1,13			
,, Government	..	6.43			
,, Railways		5			
				7.61	
,, Improvement Scheme Properties	..	.26			
,, Mills		6			32
		Carried over		761	32

	Increase Rs.	Decrease Rs.
Brought over ..	7.61	32
Town Duties ..	68,76	
Grant-in-aid in respect of fines for offence against the law ..	2.11	
Interest and profits on investments of surplus loans and other balances ..	3,65	
Interest on Plant and Machinery Depreciation Fund		1
Miscellaneous	96	57
Water Works	1,58	13,37
Public Health	29	1,27
Medical Relief and Education	79	6
Street Cleansing and Conservancy	77	51
Roads, Drains and Sewers	6,01	45
Mechanical		38
Building, Land Acquisition and Managements etc.	37	
Fire Brigade	48	
Licensing and Removal of Encroachments	5,49	
Gardens and Open Spaces	9	
Markets and Slaughter Houses	9.57	54
Contribution from Capital Funds to Revenue on account of Loan. Works Staff		65
Extraordinary Receipts	45	
Rebate from Government on Account of Collection of the Urban Immovable Property Tax		1
Transfer from Post War Reconstruction Fund		31
Total ..	1,08,98	18,45

Reasons for increases and decreases in income are detailed in Statement. A appended at the end of the Report.

The expenditure for the year was estimated at Rs. 5,79,72, and as per revised estimates (8 months basis) at Rs. 6,75,41. The final grants however, sanctioned aggregated to Rs. 7,05,37 against which the actual expenditure booked was Rs. 5,66,13 resulting in a saving of Rs. 1,39,24 at the close of the year, of which Rs. 86,62 are being renewed for expenditure during 1948-49 and the balance of Rs. 52,62 were treated as savings. The details of renewals have been classified under paragraph 11. As regards the savings of Rs. 52,62 the main items contributing to the same under different service heads are grouped together and classified as under :—

	Rs.	Rs.
Establishment	6,95	
Labour	7,36	
Allowances	4,53	
		18,84
Repairs (including Special Repairs)	4,50	
New Works	1,87	
		6,37
Stores and Materials	8,78	
Apparatus and Applicances	1,07	
Dead Stock	34	
Purchase of Live Stock, etc.	13	
Spare parts for Water Meters, etc.	12	
		10,44
Miscellaneous other items of normal expenditure such as payment of contribution to Schools Committee, Clothing, Printing and Stationery, Gas and Electric Lighting, Maintenance Grants, Diet, Medicines, etc.		10,12
Provident and Pension Charges		1,88
Dearness Allowance		1,34
Debt Charges		1,54
Contribution towards Improvement Schemes		90
Measure for Civil Defence		60
Revision of Grades		53
Urban Immovable Property Tax		4
Grant-in-aid		2
Total ..		52,62

Reasons for savings accrured under different service heads have been stated in Statement B appended at the end of the Report. However, reasons for the above can be briefly explained as under :—

Establishment and Labour.—The decreases of Rs. 18,84 under this head were mainly due to the question of revision of grades of the allied staff and also due to the question of determining the classes of the labour staff to whom the concessions of house rent allownce and allowance for doing unclean work were to be extended being then under consideration, the provisions in the budget had to be made on liberal basis, secondly due to the vacancies of short duration not being filled up and thirdly on the termination of war, it was anticipated that sufficient quantities of materials required for construction works would be available during the year but actually construction works could not be proceeded with as was originally estimated while framing the Budget Estimates resulting in engaging less number of labour staff on works.

Repairs (including Special Repairs and New Works.)—The decreases under this head amounting to Rs.6,37 were mainly due to the difficulties experienced in obtaining sufficient quantities of building, etc, materials with the result that most of the works could not be executed during the year

Stores, Materials, Dead Stocks, Etc.—Decreases of Rs. 10,44 under this head were mainly due partly to the non-purchase of articles on account of abnormal rise in prices and partly due to non-availability of materials due to controls etc. In case of Dharavi and Bai Yamunabai L. Nair Charitable Hospitals, the savings which were accrued on account of full complement of 300 beds not being provided in case of the former and on account of the provisions on rough estimates being made during the year in the latter case as the year 1947-48 was the 1st year after the instutitions were taken over by the Municipality for maintenance, had to be surrendered for making funds available for the purchase of costly equipments from United Kingdom and United States of America.

Miscellaneous items of normal expenditure, etc.—Savings of Rs. 10,12 under this head comprised of decreases in expenditure of normal recurring grants, the notable items being Rs.1,00 under I.—General Supervision, etc., E.—Miscellaneous in connection with establishing a Chair in civic and politics at the Bombay University for commemorating the centenary of the late Sir Pherozshah Mehta, The provision for this which was sanctioned in 1946-47 was allowed to lapse and an additional grant from S.C.B. will be applied for during 1948-49 for meeting the expenditure, Rs. 1,82 under III.—Education—Primary—Payment to Schools Committee due to less contribution required to be made, Rs. 55 under VII.—Street Cleansing, etc., under feed of Bullocks Rs. 99 under VIII.—Roads, Drains and Sewers, Gas and Electric and Oil Lighting and the remaining balances of Rs. 5,76 is made up of small savings under different items.

Provident Fund and Pension Charges.—Due partly to the labour staff not having exercised the option of contributing at the maximum rate of 16 pies in a rupee and also on account of less number of labour employees having joined the Provident Fund and partly to less number of claims of special Municipal Contribution having passed than anticipated. Under pensions, the decrease was due to less amounts required to be paid on gratuities, compassionate allowance and pension than estimated.

Dearness Allowance.—The decrease is mainly under previous year's expenditure renewed during the year. These savings will be renewed during 1948-49 for expenditure by obtaining additional grants from the Surplus Cash Balance.

Debt Charges.—Due partly to balance of Rs. 54 lakhs Loan (1946-47) not being fully raised and partly to less advances taken from Net Premia Fund for the purchase of Plant and Machinery and Renewal of Road Surfaces.

Contribution towards Improvement Schemes.—Less amount required on the basis of actual realisation of General Tax.

Measures for Civil Defence.—Due to credits realised on account of reclaimed A.R.P materials.

Revision of Grades.—Decerease due to less amount required under different heads than was estimated.

The other decreases under Urban Immoveable Property Tax and Grant-in-aid being small do not require any special reference.

The Surplus Cash Balance at the beginning of the year was Rs. 50,19 and as a result of variations in Income and Expenditure showing a surplus of Rs. 1,03,93 the balance at the close of the year was Rs. 154,12 and after allowing reservation for advances of Rs. 49,25 as detailed in paragraph 2 the balance at the end of year stood at Rs. 1,04,87.

The normal expenditure for the year compared with previous year shows an increase of Rs. 71,21 [Rs. 5,66,13—Rs. 4,94,92 (Rs. 5,11,92—Rs. 17,00 transferred from Post War Reconstruction Fund]. This was mainly due to the revision of grades of the staff, implementing the Adjudicator's Award and the payment of dearness allowance with retrospective effect from 1st January 1947 at the rates as per Pay Commission's recommendation approved under Corporation Resolution No. 1404, dated the 16th February 1948. The actuals booked for the year do not, however, reflect major portion of expenditure on works, costly materials, as was provided in the Budget on account of the non-execution of works due to the non-availability of essential materials being under control as also non-purchase of the costly materials due to abnormal rise in prices Most of the provisions made on this account will, therefore, have to be carried over to the next year's. account. Hence the balance at the close of the year though it appears to be at a high figure, is more apparent than real. This is due to the expenditure which was budgetted but could not be incurred owing to the non availability of materials or their exhorbitant cost, will have to be incurrred in the following years. The unexpended provisions at the close of the year will, infact have to be treated as reserves for outstanding liabilities and not as savings for utilization on the other items of expenditure.

It may incidentally be pointed out that the difficulties of executing works of even urgent nature have affected not merely the Municipality but Semi-Government institutions like the Port Trust as well as the Provincial Government in consequence of which these bodies also retained large balance of unspent expenditure. But expenditure cannot be postponed sine die and a time may come when the works must be executed at whatever the cost. In such an event the cost is likely to increase, not decrease and all the savings of the year would be wiped out.

With regard to Post War Reconstruction Fund, it may be pointed out that under the re-enactment of the City of Bombay Municipal Post War Reconstructi on Act, the power of diverting the amounts from and to the Post War Reconstruction Fund has been conferred upon the Corporation with a view to utilising the same for any purpose if they are of opinion that such expenditure should forthwith be carried out of the Post War Reconstruction Fund.

In regard to the Land Sales Reserve Fund it may be pointed out that the area of the surplus Municipal land available for sale at the end of the year was about 24,279 square yards of the approximate value of Rs.2,7.9 This fund which was created in the year 1935-36 with a view to equalising the sale proceeds of lands to be credited to Revenue each year will now be practically extinguished due to continuously drawing upon it for making good the deficit since 1941-42 and this gap in revenue will now have to be made good by other sources of Revenue in subsequent years.

The expenditure estimated for the year on Loan Works as detailed in para. 15 was Rs. 70.68. In the Revised Estimates the expenditure was shown as Rs. 173.54 while the actual expenditure aggregated to Rs. 48.40. Thus the actuals fell short of the Budget and Revised Estimates by 31 and 72 per cent. respectively. The executive officers were not able to carry out more works due to the non-improvement in the conditions in obtaining materials for construction works.

The position regarding Sinking Fund is satisfactory as there is an excess accumulations of Rs. 28.99 which is allowed to remain in the Sinking Fund Account pending legislation by Government for amending the Municipal Act for the purpose of enabling the Corporation to utilise the surplus accumulations for general

Municipal purposes. In addition to this Rs. 47.45 are to the credit of Net Premia Fund which are intended as a reserve for making good any deficit in the market value of the Sinking Fund Investments at the close of the year as compared with the actual amount of the Sinking Fund on that date.

As regards Improvement Schemes, the total income for the year amounted to Rs. 112.95 and the total expenditure aggregated to Rs. 105.68 showing a surplus of Rs. 7.27. This was mainly due to large receipts realised on account of rent and other proceeds of properties and decrease in expenditure due to the special repairs works which could not be executed for want of essential materials. The position of the Sinking Fund Investments of Improvement Schemes is satisfactory as there is an excess accumulations of Rs. 65.13 which is allowed to remain in Sinking Fund Account. There is no separate Net Premia Fund in the case of the Improvement Schemes Account.

J. K. DARUVALA,
Chief Accountant.

Statement A showing main items contributing to the increases and decreases in income.

Budget Head.	Amount of Increase.	Amount of Decrease.	Remarks.
	Rs.	Rs.	
1.—General Tax, Indirect Taxation and Miscellaneous Revenue—			
A.—General Tax	7,29,310	...	The net increase is made up of Rs. 1,13,151 under General Tax from the public due partly to revision of rateable values of properties, additions to structures and new constructions and partly to less refunds Rs. 6,43, 733 from Government due to revision of values of Government properties under the recent Award, and Rs. 4,745 from Railways counterbalanced by decrease of Rs. 26,472 under Improvement Schemes and of Rs. 5,847 from Mills.
B.—Town Duties	68,75,728	...	Mainly due to revision of Schedule H attached to Municipal Act pertaining to Town Duties by Bombay Act No. XX of 1947 authorising the Corporation to the Levy of Town Duties at maximum rates etc. with effect from 1st June 1947 and to the large number of claims of refunds still remaining to be scrutinised and disposed of.
D.—Grant-in-aid in respect of fines for offence against the Law ...	2,11,158	...	Due partly to increase in the number of cases and partly to increase in the amount of fines levied for offences against the Law.
E.—Interest and Profits on Investments of Surplus Loan and other Balances	3,64,929	...	Due to larger balances available for investments and larger amounts having been held in securities.
G.—Miscellaneous	38,572	...	The net increase is made up of the increase of Rs. 10,962 under contribution from Municipal servants towards Pension etc. Fund, Rs. 85,576 under Miscellaneous receipts due to larger amounts realised from the sale of scrap from Central Stores and Miscellaneous receipts under Town Duties on account of increase receipts for sealing and stamping charges for the levy of duties on additional articles counter balanced mainly by the decrease of Rs. 57,888 under Rent of Buildings and Lands due to large area of Land in occupation of Military authorities having been vacated with the consequent less of revenue by way of Rent.
2.—Water Works, and other Miscellaneous Water Works Revenue		11,79,307	The net decrease is made of the decrease of Rs. 13,31 222 under Income from Water surplied by Meter measurement due to reduction in the rates charged to Textile and other Mills and to the Race Course from Rs. 1-8-0 to Rs 1-1-0 and from Rs. 3 to Rs 2 per 1,000 gallons respectively and of Rs. 6 370 under Rent of water meters counterbalanced by increases of Rs. 78,701 under Tax on value due to revision of rateable values, Rs. 39,940 under compounded tax, as the ralisations from extra charge have been improved. Rs 6,924 under Rent of Buildings and Lands due to recovery of arrears and Rs. 32,720 under Miscellaneous Receipts due to more receipts on account of supervision charges realised for works carried out on behalf of private parties.
5.—Public Health Department		98,405	The net decrease is made up of the decrease of Rs. 1,17,434 under Miscellaneous Receipts due to loss of supervision charges, leave, etc., contributions consequent upon taking over of the Government subsidised Milk Scheme by Government, Rs. 5,990 under Grant-in-aid from Government for the duty free supply of spirituous medicinal preparations, etc., due to the amount of duty free not being received from Government before the close of the year . Rs. 3,730 under Tax on Dogs due to less No. of licenses issued during the year than anticipated counterbalanced by the increase of Rs. 14,049 under Miscellaneous fees due to increased receipts from Municipal Laboratory on account of examination of private samples and from the issue of Birth and Death Certificate Rs. 14,700 under Rent of Buildings and Lands due to increase in Rent charged for stones at Mahalaxmi Dhobiwada.
6.—Medical Relief and Education ...	73,477	...	The net increase is made up of Rs. 18,334 under B.—Miscellaneous Receipts, fees and Rent of Buildings and Lands and is mainly due to recovery of rent in respect of quarters let to the Staff; Rs. 14,902 under Receipts from G.S. M. College mainly due to more amounts received on adminission of increased number of students for L.C.P.S. Course ; Rs. 6,835 under Interest realisaed on Hospital Fund; Increase is due to interest realised on countribution from Hospital Day Race received from Government duringthe year. Rs. 32,477 under Receipts from Topiwala Nair Medical College and Nair Hospital Dental College due to increase in the number of admissions and on account of increase in fees for L.C.P.S. Course.

Budget Head.	Amount of Increase.	Amount of Decrease.	Remarks.
	Rs.	Rs.	
7.—Street Cleansing and Conservancy, Road Watering etc.	26,005	...	Due to increase under Rateable value Rs. 5,047 ; Special services Rs. 56,986 ; Sale of rights Rs. 7,529 ; Miscellaneous fees Rs. 7,820 counterbalanced by decrease of Rs. 34,900 under Miscellaneous fees and Rs. 16,477 under Rent of Buildings and Lands due to grant of rent free quarters to labour staff.
8.—Roads, Drains and Sewers—			
A.—Wheel Tax and Government contribution in lieu of tolls ...	3,81,924	...	This is made up of increase of Rs. 3,39,225 under Private conveyances due to effective control exercised on taxing private conveyances and Rs. 50,000 under Contribution from Government in lieu of Tolls ; due to recovery of Rs. 25,000 for 1946-47 actually received during the year counterbalanced by decrease of Rs. 7,305 under Public conveyance.
B.—Ground Rent		37,535	Decrease mainly due to half yearly recovery of ground rent representing the rent of tram tracks from Tramways Co., not being recieved before the close of the year.
C.—Miscellaneous	2,11,325	...	This is made up of increase of Rs. 1,47,485 under Miscellaneous Receipts, due to profits realised on the departmental working of Worli Crushers Rs. 31,673, Sewri Crushers Rs. 13,103, Asphalt Plant Rs. 54,506 and to the recovery of charges from Military authorities for their wagons run on Municipal sidings ; Rs. 55,681 under Miscellaneous fees mainly due to revision of rates of scaffolding and other fees ; and of Rs. 8,160 under Rent of Buildings and Lands due to recovery of rent of lands leased to private parties.
9.—Mechanical		38,352	Decrease is partly due to less area made available at Dadar Purification Works for sale of rights due to construction of an additional Digestion Tank and partly on account of fall in Sludge gas receipts as the Plant was under repairs.
10.—Buildings, Land Acquisition and Management.	37,164	...	This is due to increase of Rs. 3,945 under Rent of Buildings and Lands due to recovery of increased General Tax from the tenants, Rs. 19,912 under Ground Rent due to new tenancies and of Rs. 13,307 under Miscellaneous mainly due to increase in the number of licenses and also due the Surveyor,s Licenses fees being revised from Rs. 75 to Rs. 125 from 1-4-1947.
11.—Fire Brigade ...	47,617	...	The net increase is made up mainly of Rs. 10,750 under Tax from Public, Rs. 29,108 from Government, Rs. 10,019 from Bombay Port Trust counter-balanced by decreases of Rs. 3,624 under Miscellaneous Receipts due to fall in the receipts from Ambulances. The increases are due to revision of rateable value of the properties and partly due to increase in the Fire Tax by 1/4 per cent sanctioned from 1-10-1947 under Corporation Resolution No. 234 of 12th May 1947.
12.—Licensing, Removal of Encroachments on Public Streets.	5,49,067	...	This is made of increases of Rs. 3,59,440 under Licenses for Dangerous Offensive Trades, due to revision of fees; Rs. 1,16,556 under removal of Encroachments, etc., consequent upon the revision of Schedule of fees for Squatters and Hawkers: Rs. 1,00,134 under Miscellaneous mainly due to increased realisation on account of advertisement fees.
13.—Gardens and Open Spaces ...	9,089	...	Increases are made up of Rs. 2,930 under Miscellaneous receipts, Rs. 3,451 under Rent of Buildings and of Rs. 2,708 under Receipts from Vegetable, Fruit and Flower Show.
14.—Markets and Slaughter Houses ...	9,03,146	...	This increase consists mainly of Rs. 4,39,609 under Stallage charges due to revision of stallage charges in Municipal Markets; Rs. 3,87,316 under Squatter Fees due partly to opening of temporary Markets and partly to increase in the collections realised on account of additional reserved areas; Rs. 1,04,364 under Slaughter Fees on account of increase in Slaughter Fees, and Rs. 22,598 under License fees from Private Markets Owners which were hither to being shown under Miscellaneous Receipts, counterbalanced by decreases of Rs. 15,588 under Fair Ground and Feeding Fees due to reduction in number of animals brought for slaughter, Rs. 23,997 under Miscellaneous receipts due partly to License fees for private, markets having been separately accounted for under a new head and Rs. 14,780 under Cold Storage Rents due to low demand from the Customers.
15.—Contribution from Capital Fund to... Revenue on account of Loan Works		64,621	Due to less Works being executed than provided for in the Budget.
16.—Extra-ordinary Receipts.	45,393	...	Due to large amounts being available for investment in securities.
Transfer from P. W. R. Fund		31,408	Due to the provision of certain works which were of Capital nature having transferred under loan works.

Statement B showing main items contributing to the dearness of Rs. 5,000 and over in expenditure under different service heads.

Budget Head.	Amount.	Remarks.
	Rs.	
I.—General Supervision, Collection of Revenue, etc.—		
A.—General Superintendence—		
(c) Municipal Commissioner's Personal and General Office.	14,620	Decrease mainly under Printing Rs. 8,379 and the balance represents small savings on the other items including Rs. 2,318 under Establishment.
(d) Audit and Accounts ...	17,662	Decrease mainly under Establishment Rs. 13,416 and the balance is made up of small savings on other items.
B.—Collection of Revenue—		
(a) Property and Wheel Tax Establishment	25,591	Decrease mainly under Establishment I—Head Quarters Office Establishment Rs. 23,637 and the balance consists of small saving under other items.
(b) Town Duty Esteblishment ...	6,836	Decrease mainly under Establishment, Rs. 4,636 and the balance represents small savings on other items.
C.—Upkeep and Guarding of Municipal Head Office. ...	12,776	Out of this Rs. 4,234 represent unexpended balance of the grant of the previous year to be renewed during 1948-49 for expenditure by obtaining an additional grant from the Surplus Cash Balance and the balance is made up of savings mainly under— Repairs and Maintenance ... Rs. 5,929; Electric Supply ... Rs. 1,754
E.—Miscellaneous ...	1,10,233	Out of this Rs. 1,00,000 representing provision for establishing a Chair in Civic and Politics at the Bombay University for commemorating the Centenary of Sir P. M. Mehta sanctioned during 1946-47 will be required to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance and the balance is made up of savings under other heads the notables being under I(a) Law Charges, Rs. 2,848 and III—Repairs and Taxes Rs. 3,878.
F.—Election Expenses ...	61,348	Decrease mainly under— Establishment ... Rs. 34,699; Printing ... 9,368; Contingencies ... 5,316; Cost of printing the Voters' List, etc. ... 8,590 and out of the remaining balance Rs. 3,025 represent unexpended balance of the previous year required to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance.
New Works ...	10,259	Out of this Rs. 10,255 represent unexpended balances of the previous year under various New Works required to be renewed for expenditure during 1948-49 by obtaining an additional grant from the Surplus Cash Balance.
II.—Water Works—		
A.—Establishment and Labour ...	91,445	Decrease mainly under Establishment Rs. 54,323 and labour Rs. 37,121
B.—Repairs and Maintenance ...	36,677	This is comprised of savings to the extent of Rs. 25,020 under I.—Ordinary and Rs. 11,627 under II.—Extra-ordinary Repairs Works. The main items contributing to the decrease under I are (1) Materials for General Works and Repairs in Bombay, Rs. 6,724; (3) Repairs and Painting to Water Works Buildings in Bombay, Rs. 1,123; (5) Repairs to roads over trenches, etc., Rs. 2,477 (6) Repairs to Tools, Plants, etc. Rs. 3,119; (9) Maintenance of Motor Trolley, Rs. 1,032; (10) Maintenance of Trolley Track, embankment etc., Rs. 5,604; (11) Maintenance of Lighting sets, at Tansa and Pawai Rs. 1,475; and under II.—Extra-ordinary Rs. 2,440 under Item No. 43—Providing stop log arrangements etc., at Tansa Dam and Rs. 4,200 represent unexpended balance of the previous year required to be renewed for expenditure during 1948-49 by obtaining an additional grant from the Surplus Cash Baiance for certain works.
C.—Meters ...	11,486	Due to decrease under Spare Parts.
D.—Miscellaneous	32,067	Mainly under Tools and Plants, Rs. 1,719, Maintenance and Upkeep of Pumps at Bhandarwada Hill Reserwoir Rs. 4,754 ; Clothing Rs. 6,027 ; Maintenance of Reservoirs, etc. (1) Reservoir Garden—Stores and Contingencies, Rs. 1,791 ; (2) Hanging Gardens—Garden Implements Rs. 1,394 ; (3) Fluges Road, etc. Garden—Stores and Contingencies Rs. 1,904 ; Chlorinating the Bombay Water Supply Rs. 7,679 and the remaining balance represents small savings on other items.
E.—Depreciation	6,412	Decrease due to less amount required to be adjusted than anticipated.
Provident Fund and Pension Charges	23,478	Due partly to less number of labour staff having exercised the right of contributing to Provident Fund at full rates and partly to less amount required to be paid on Pension, Gratuitites, etc., than estimated.
Proportion of General Supervision and Collection of Revenue	35,136	This is followed by the actual expenditure booked.
Dearness Allowance	1,09,111	Due to less amount required to be paid than estimated.
New Works	7,521	These are made up of small savings on different works.
Debt Charges	66,591	Due partly to balance of full loan of Rs. 54 lakhs of 1946-47 not being fully raised during the year and partly to less advances taken from Net Premia and Special Funds for the purchase of Plant and Machinery and Renewal of Surfaces of Roads for which no funds exist.

Budget Head.	Amount.	Remarks.
	Rs.	
III.—Education—(Primary)— Municipal Insitutions	... 1,88,573	Decrease is mainly due to less contribution required to be made to the Schools Committee on the basis of actual expenditure incurred during the year.
IV.—Education—(Secondary)—		
B.—Opening New Reading Rooms and Libraries ...	5,802	Decrease mainly under Establishment Rs. 4,623 and the balance represents small savings on other items.
V.—Public Health Department—		
A.—General Supervision ...	... 1,24,244	Main items which contribute to the decrease are Establishment—Central Office Rs. 6,224; Assistant Health Officer's Office Rs. 4,018 and Medical and Sanitary Rs. 1,04,285 ; Disinfection Labour, Rs. 5,582, Rat Destruction ;—Stores and Contingencies, Rs. 1,230.
B.—Epidemics	... 10,207	Decrease mainly under Innoculation, Rs. 1,011 and General Disinfection Rs. 5,586 and the balance represents small savings under other items.
C.—Vaccination	... 5,821	Decrease mainly under Establishment, Rs. 5,308.
D.—Malaria	... 21,886	Decrease is under Establishment, Rs. 19,358 and Medicine, Rs. 1,713 and the balance represents small savings on other items.
E.—Miscellaneous— (a) Cemeteries	... 11,291	Decrease mainly under Establishment, Rs. 7,015 and Special Repairs, Rs. 3,086 and the balance represents small savings on other items.
G.—Propaganda for Public Health ...	... 17,796	Main items which contribute to the decrease were Additional Equipment, Rs. 4,252, Contingencies, Rs. 1,670 , Health Exhibition Rs. 2,491 and Shooting of a film of 1000′ length on Cleaner Bombay Rs. 8,000.
H.—Supply of Milk to the undernourished needy children attending Municipal Schools ...	7,578	Due to less expenditure incurred than anticipated.
New Works	... 22 143	This represents the provision for certain works made in previous year which will be required to be renewed for expenditure during 1948-49 by obtaining an additional grant from the Surplus Cash Balance.
VI—Medical Relief and Education—		
A.—Hospitals and Maternity Homes— (a) King Edward Memorial Hospital	... 1,08,883	Deducting from this figures Rs. 49,955 on account of unexpended balance under various sub-heads which will be renewed during 1948-49 for expenditure by obtaining an additional grant from Surplus Cash Balance, the net decrease works out to Rs. 58,928, the man items contributing to the same being Establishment Rs. 9,801, Medicines and Instruments Rs. 6,334, Diet., Rs. 4,688 Clothing Rs. 4,799 ; Stores Rs. 3,730 ; Contingencies, Rs. 9,125; Repairs and Maintenance, Rs. 7,703 ; Printing and Stationery, Rs. 7,548, and Rent Rs. 1,593.
(aa) Dharavi Hospital ...	... 2,36,938	Main items which contribute to the savings are '—

	Rs.
Establishment	72,090
Medicines and Instruments	78,477
Diet	11,612
Clothing, etc.	21,349
Stores	8,931
Contingencies...	7,428
Repairs and Maintenance	8,046
Printing and stationery	17,248
Maintenance of Electric Installation	10,600

The savings under above heads which were accrued on account of full complements of300 beds not being provided, have been surrendered for the purpose of making funds available for purchase of instruments from abroad.

(b) Infectious Diseases Hospitals ...	84,006	Of this Rs. 7,734 represent unexpended balance of the previous year which will be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance and the remaining balance of Rs. 76,272 is made up of savings mainly under following items '—

Item.	Arthur Road Hospitals. Rs.	Maratha Hospitals' Rs.
Establishment	15,696	13,554
Medicines	2,131	2,212
Diets	2,226	...
Clothing	...	1,147
Contingencies	1,498	...
Repairs and Maintenance ...	6,713	...
Epidemics	28,376	...
Total ...	56,640	16,913

(c) Maternity Homes	19,350	Due to decreases mainly under Establishment, Rs. 7,151, Medicines Rs. 2,267 ; Diets, Rs. 2,966 ; Contingencies Rs. 2,190 and of the remaining balance an amount of Rs. 3,259 pertaining to previous year will be required to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance.

Budget Head.	Amount.	Remarks.
VI.—Medical Relief and Education *contd.*—		
(*d*) Turner Sanatorium	5,024	Decrease mainly under Establishment, Rs. 2,553, Medicines, Rs. 1,135
(*e*) Ramesh Premchand T. B. Hospital ...	30,902	Decrease mainly under Establishment, Rs.7,265; Medicines, Rs. 1,549 Diets, Rs. 17,004 and Contingencies, Rs. 4,182 as the hospital was not running with full complements as was anticipated.
B.—Dispensaries— (*a*) Dispensaries for Out-patients ...	10,096	Mainly under Establishment, Rs. 2,888 ; Medicines, Rs. 5,529 and the balance is comprised of the small savings on other items.
(*b*) Anti Tuberculosis Dispensaries ...	8,123	Due to decreases mainly under Establishment, Rs. 5,185 and Medicines, Rs. 2,466.
D.—G. S. Medical College	24,208	Out of this, Rs. 11,062 pertaining to previous year required to be renewed during 1948-49 for expenditure by obtaining an additional grant from Surplus Cash Balance and the remaining balance is made up of savings mainly under Establishment Rs. 4,949 and Stores and Apparatus, Rs. 5,909.
H.—Bai Yamunabai L. Nair Hospital, Nair Hospital Dental College and Topivala National Medical College ...	2,43,293	These are made up of aggregate decreases under this group. savings mainly under :—

	Bai Yamunabai L. Nair Hospital.	Nair Hospital Dental College.	Topivala National Medical College.
	Rs.	Rs.	Rs.
Establishment ...	83,737	...	27,925
Medicines and Instruments ...	19,470	5,629	...
Diets ...	24,128	...	...
Clothing ...	11,560	...	...
Stores ...	17,652	...	5,030
Contingencies ...	16,200	...	...
Repairs, etc. ...	3,307	1,336	2,940
Total ...	1,76,054 +	6,965 . +	35,895

and the remaining balance is made up of small savings on other items under these three institutions. The above savings are surrendered for providing funds partly to purchase instruments through Dr. Dhayagude from abroad. Savings were due to the provisions for these Institutions beiug made on rough estimates during the year, t his being the first year after the institutions were taken over by the Municipality for maintenance,

New Works	33,720	Of this, Rs. 30,427 pertaining to previous year's provisions will be required to be renewed during 1948-49 for expenditure for completion of the works by obtaining an additional grants from Surplus Cash Balance.
VII —Streets Cleansing, Conservancy. Road watering and Halalkhore Service ; A.—Street Cleansing and Conservancy— (*a*) Superintendence and Inspection ...	13,490	Mainly under Establishment, Rs. 13,095.
(*c*) Street Cleansing and Sanitation— (*a*) Scavengering	5,47,266	Main items of decreases under Labour Rs. 5,31,063, Stores, Rs. 2,236 Clothing Rs. 3,367 and Miscellaneous Rs. 2,080.
(*b*) Road Scraping	25,481	Decrease mainly under Labour, Rs. 23,817.
(*d*) Fully Flushing	38,882	Decrease mainly under Labour Rs. 33,416, Running expenditure Rs. 1,643 and maintenance of hydrants, Rs. 2,966.
(*e*) Removal of Town Refuse for transport to Deonar— (1) Bullock Traction	1,63,222	Decrease mainly under Labour Rs. 31,142 ; Running Expenses, Rs. 60,400 ; Repairs and Maintenance, Carts, Rs. 61,856 and Purchase of Live stock, Rs. 9,000.
(2) Motor Traction	1,35,920	Mainly under Labour, Rs. 1,27,049 and Clothing, Rs 7,679.
(4) Loading Siding	38,975	This is made up decreases under Labour, Rs. 35,630; Stores Clothing etc. Rs. 1,192 and the balance consists of small savings on other items of works.
(*f*) Miscellaneous	31,177	Out of this Rs. 29,747 represent unexpended balance of the previous year. which are to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance and the balance consists of small savings other items of the works.
B.—Transport of Refuse etc., to Deonar ...	30,702	Mainly under Labour, Rs. 27,870 and the balance is comprised of the small savings on other items.
C.—Road Watering	13,614	This is made up decreases under Labour, Rs. 7,153, Hire of Bullock, Rs. 1,827and Repairs and renewals Rs. 4,589
D —Halalkhore Service (*a*) Cleasing and Sanitation	91,310	Mainly under Labour Rs 87,423 and Clothing, Rs. 1,130.
(*b*) Bullock Traction	19,742	Decreases due under Labou. Rs. 12,782 ; Repairs and Maintenance, Carts, Rs. 1,605 and Purchase of Live Stock, Rs. 4,000.
(*c*) Miscellaneous	23,090	Out of this Rs. 8,576 representing unexpended balances of previous year which are to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance and the remaining balance made up of decreases mainly under A.— Latrines, Urinals, etc., Rs. 3,846 B.—Buildings and structures Rs. 10,412.

Budget Head.	Amount.	Remarks.
	Rs.	
VII—Street cleansing etc.—*Contd.*		
New Works	19,787	Out of this provision for certain works amounting to Rs. 16,827 represents the unexpended balance of previous years which will be required to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance.
VIII.—Roads, Drains and Sewers—		
A.—General	24,768	Mainly under Establishment A.—General Supervising Establishment, Rs. 7,412, B.—Construction Establishment, Rs. 10,648 and clothing Rs. 6,011.
B.—Maintenance of Roads	9,81,312	Deducting from this Rs. 2,96,300 representing the unexpended balances of the previous years, which will be renewed for expenditure during 1948-49 by obtaining an additional grant from the Surplus Cash Balance. the net decrease works out to Rs. 6,85,012 which is made up of savings mainly under :—
		Rs.
		Establishment 15,304
		Maintenance of Roads—Labour, Materials and Cartage 2,15,206
		Improvement of surfaces of Kutcha footpaths ... 33,792
		Maintenance of paved footpaths 2,788
		Miscellaneous 18,726
		Repairs to Capital Roads 41,419
		Roadside trees and benches 10,832
		Upkeep charges for public monuments ... 2,607
		Depreciation 6,324
		Street improvements 4,255
		Removing Rank Vegetation 1,995
		Removal of surfaces of roads for which no renewal fund exists etc. 3,28,267
		The balance represents small savings on other items.
C.—Public Lighting	1,00,006	Decrease mainly under Gas and Electric lighting Rs. 49,559 ; Oil lighting—Maintenance of incandescent oil lamps, Rs. 24,842 and out of the balance, Rs. 25,319 represent unexpended balance of the previous years to be renewed for expenditure during 1948-49 by obtaining an additional grant from the Surplus Cash Balance and the remaining accounts for the small savings under other items.
D.—Cleansing of Drains, etc.	98,539	Mainly under Establishment, Rs. 12,697; Labour Rs. 49,610, Stores and Plant Rs. 3,692, Repairs and alterations, Rs. 11,038, Cleaning of drains attached to Municipal properties, Rs.2,818, Deep Sullage drains in private properties, Rs. 3,000 and cleaning of House Drains—Labour Rs. 9,661 ; and Maintenance of Storm Water Channels in the City, Rs. 1,494 and the balance represent small savings on other items.
New Works	49,214	Of this Rs. 28,148 represent unexpended provision of the previous years in respect of certain New Works which are to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance, and the remaining balance Rs. 21,067 is made up of savings under the following works:—
		Rs.
		Construction of permanent manholes ... 2,648
		Reserve for Petty Drainage Works 2,077
		Additional Staircase at Sun Mill Lane ... 10,939
		Water Closets at Sewree Crushers 5,400
Works to be carried out from the amounts transferred from P. W. R. Fund	31,409	Decrease due to certain works of capital nature having transferred under L. W. Budget
Debt Charges	55,714	Due partly to the balance of full loan of Rs. 54 lakhs sanctioned for 1946-47 not being raised during the year and partly to less advances from Special Funds, taken for the purchase of Plant and Machinery and for the renewal of surfaces of roads which no renewal fund exists.
IX.—Mechanical—		
B.—Pumping Purification Works, etc.—		
(*b*) Pumping Stations in the City —		
(*i*) Pumping Station at Love Grove ...	31,592	Decrease mainly under labour Rs. 2,230 ; Electric Current, Rs. 2,134 ; and out of the remaining balance an amount of Rs. 24,102 being the unexpended balance of the previus year will be required for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balace and the balance represents small savings on other items.
(*ii*) Other minor stations in the City ...	16,424	Mainly under Electric current Rs. 9,811, Repairs and Maintenance Rs. 1,825, Stores, Rs. 1,521 and Chlorination of Sludge Gas, Rs. 1,132.
(*c*) Purification Works	34,261	Deducting from this figure, Rs. 24,810 pertaining to the unexpended balance of the previous year which are required to be renewed for expenditure during 1948-49 by obtaining an additiona grant from Surplus Cash Balance, the net decrease comes to Rs. 9,451, the notable items contributing the same are :—Labour, Rs. 3,836 ; Stores and Chemicals, Rs. 1,363 and Chlorination of Crude Sewage in excess of the capacity of the plant, Rs. 1,537.
(*d*) Compressor Stations in the City—		
(*ii*) Compressor Station at Victoria Gardens ; Fergusson Road and Warden Road ...	11,563	Out of this, Rs; 2,662 represent unexpended balance of the previous year which are to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance and of the remaining balance of Rs. 8,901, the notable decreases being under Eelctric Current, Rs. 1,319 ; Repairs and Maintenance, Rs. 5,863 and Stores, Rs. 994.

Budget Head.	Amount.	Remarks.
	Rs.	
IX Mechanical—(*Contd.*)		
B.—Pumping Purification Works etc.—(*Contd.*)		
(*c*) Flood Gates	27,850	Mainly under Special Repairs due to provision of Rs. 20,000 sanctioned for certain works at Love Grove Pumping Station was allowed to lapse as it could not be utilised during 1947-48 due to non-availability of materials and the balance of Rs. 6,065 represent unexpended balance of the previous year which are to be renewed for expenditure during 1948-49 by obtaining additional grant from Surplus Cash Balance.
D—Transport—		
10.—Removal of Town Refuse to Tardeo ...	33,258	Due to decreases under Establishment Rs. 8,428 ; Clothing and Miscellaneous, Rs. 6,034 ; Running expenses, Rs. 12,253 and Repairs and Maintenance, Rs. 6,543.
12.—Halalkhore Service	9,832	Mainly under Running expenses, Rs. 5,478 and Repairs and Maintenance, Rs, 3,099.
14.—Markets and Slaughter Houses—		
(*b*) Meat Carriage	9,104	Decrease mainly under Establishment, Rs. 3,177 and Running Expenses, Rs. 5,729.
New Works	9,695	This pertains to unexpended provisions of the previous year made for certain works which are to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance.
X.—Buildings, Land Acquisition and Management		
A.—City Engineer's Central Office Establishment ...	6,048	Decrease mainly under Establishment Temporary, Rs. 5,232.
B.—Inspection and Supervision of Private Buildings.	33,404	Main ly under Establishment, Rs. 32,097.
D.—Land Acquisition and Management ...	9,163	Decrease under Repairs and Maintenance, Rs. 3,888 and Commission etc., charges under disposal of land, Rs. 1,501 and of the remaining balance includes Rs. 2,000 unexpended balance of the previous year to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance.
XI.—Fire Brigade—		
Maintenance	79,564	Out of this, Rs. 10,899 represent unexpended balance of the previous year required to be renewed for expenditure during 1948-49 by obtaining additional grant from the Surplus Cash Balance and out of the remaining balance of Rs. 68,665 the notable decreases are under Establishment, Rs. 43,831 ; Repairs and Maintenance, Rs. 51,97 ; Rent, Rs. 8,467 and Depreciation, Rs. 6,758.
Provident Fund and Pensions, etc., charges ...	20,752	Due to less amount required to be paid on pensions, gratuitites, etc., than estimated.
Dearness Allowance	12,591	Due to less amount required to be paid than anticipated.
XII.—Licensing, Removal of Encoachments, etc.—		
C.—Administration of Shops and Establishment, Act 1939	5,257	Mainly under Establishment, Rs. 4,852.
XIII.—Gardens and Open Spaces—		
A,—Gardens—		
(*a*) Victoria Gardens	18,457	Decrease mainly under Establishment, Rs. 5,918 ; Cartage Rs. 1,320 ; Organisating a Vegetable, Fruit and Flower Show, Rs. 2,072, the show not being held during the year, and of the remaining balance, Rs. 3,910 pertain to the unexpended balance of previous year which are required to be renewed for expenditure during 1948-49 by obtaining an additional grant from the Surplus Cash Balance and the other decreases are small under various sub-heads.
(*b*) Miscellaneous Gardens, etc	22,214	Deducting from this amount, Rs. 10,513 pertaining to the unexpended balance of the previous year to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance, the net decrease works out to Rs. 11,701 the notable being under Establishment, Rs. 10,513
XIV.—Markets and Slaughter Houses—		
A.—Markets and Slaughter Houses—		
(*a*) Central Office	6,454	Mainly under Establishment (*a*) Permanent, Rs. 6,277.
(*b*) Municipal Markets	31,586	Mainly under Lighting, Rs. 1,547 and Rent—Ground rent, Rs. 7,500 and out of the remainingamount, Rs. 20,526representing unexpended balance of the previous year are to be renewed by obtaining an additional grant from the Surplus Cash Balance in 1948-49 for expenditure.
(*c*) Slaughter Houses	6,491	Out of this, Rs. 2,738 represent unexpended balance of the previous year which is required to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance and the remaining amount of Rs. 3,753 decreases are mainly under Establishment, Rs. 1,340 and Repairs and Maintenance Rs. 1,534.
Provident Fund and Pensions, etc., charges ...	17,809	Due partly to the labour staff not having exercised the right of contributing to the Provident Fund at the maximum rate and partly to less amount required to be paid on pensions, gratuities, etc., than estimated.
Proportion of General Supervision	5,898	This is followed by the reduction in expenditure under General Supervision.
Dearness Allowance	11,441	Due to less amount required to be paid than estimated.
New Works.	26,614	Of this provision, Rs. 26,610 represent unexpended expenditure on works provided in previous year which are required to be renewed for expenditure during 1948-49 by obtaining an additional grant from Surplus Cash Balance.

Budget Head.	Amount.	Remarks.
	Rs.	
XIV.—Markets and Slaughter Houses.—(*Contd.*)		
Debt Charges	17,479	Due to the full balance of Rs. 54 lakhs loan (1945-47) not being raised during the year.
XV.—Contribution towards Improvement Schemes ...	89,983	Due to less amount required to be adjusted than anticipated on the basis of net realisation from General and Fire Taxes.
XVI.—Provident fund, Pensions, Gratuities, etc.— A.—Provident Fund	76,137	Due partly to the portion of the labour staff not having joined the Provident Fund and also their not having exercised the option of contributing at the full rate, *viz.*, 16 pies in a Rupee and partly on account of the revision of grades of the outdoor staff being under consideration and also due to less number of claims of special municipal Contribution being passed than anticipated during the Course of the year.
B.—Pensions	49,966	Out of this, amount of Rs. 11,000 represent unexpended balance pertaining to pevious years which are to be renewed for expenditure during 1948-49 by obtaining an additinal grant from Surplus Cash Balance and the remaining decrease, *viz.*, Rs. 38,966 is due partly to less expenditure on gratuities and compenssinate allowance etc., and partly to less amount required to be paid on pensions than anticipated.
XX.—Measures for Civil Defence	59,988	Due to book adjustment of reclaimed materials originally used on A.R.P. Schemes, *viz.*, blast walls, being used on Municipal Departmental works.
XXI.—Revision of Grades, Service Conditions, etc. ...	52,877	Due to less amount required for allocation under different service heads than originally estimated.

APPENDICES.

MUNICIPAL ACCOUNT.

No. 1.—General Financial Statistics.

No. 2.—Statement of Surplus Revenue Fund for 1947-48.

No. 3.—Statement showing the Income realised during 1947-48 as compared with estimates for the year as also with the actuals for the preceding year.

No. 4.—Statement showing the expenditure during 1947-48 as compared with the Final sanctioned grants.

No. 4A.—Statement showing the actuals for Measures for Civil Defence as compared with the Final sanctioned grant for 1947-48.

No. 4B.—Statement showing details of Expenditure incurred on New Works during the year ending 31st March 1948.

No. 4C.—Statement showing details of Expenditure on work carried out from the amount transferred out of Post-War Reconstruction Fund.

No. 5.—Balance Sheet (Revenue) as at 31st March 1948.

No. 6.—Statement of Special Funds for 1947-48.

No. 7.—Balance Sheet (Capital Funds) as at 31st March 1948.

No. 8.—Block Account, showing details of Capital Expenditure upto 31st March 1948.

No. 9.—Statement showing (1) the total amount of Municipal loans raised, (2) the expenditure incurred there against and (3) the invested balance of the loans on 31st March 1948.

No. 10.—Statement showing the actual investment on account of the Sinking Fund of different Municipal Loans upto 31st March 1948 compared with the amounts which should have accumulated upto that date on the basis of the fixed instalments and the sums set aside as Sinking Fund as at 31st March 1948.

No. 11.—Statement showing outstanding loans due by the Municipality, the interest outstanding on 1st April 1947 on the different loans, the amount payable for the year 1947-48, the amount paid by the Imperial Bank of India and in office during that year and the balances outstanding on 31st March 1948.

No. 12.—Water Works, Income and Expenditure Account, including statement of income realizations for 1946-47 and preceding 5 years from Water supply through meters.

No. 12A.—Water Works Assets and Liabilities.

No. 13.—Markets and Slaughter Houses, Income and Expenditure Account for 1947-48.

No. 14.—Municipal Printing Press, Income and Expenditure for the year 1947-48.

No. 14A.—Statement of Advance Accounts for 1947-48.

No. 14B.—Statement of Advance Accounts out of Special Funds for 1947-48.

No. 14C.—Statement of Deposit Accounts for 1947-48.

No. 14D.—Statement of Reserve Stores Stock Accounts for 1947-48.

No. 14E.—Statement of interest accrued but not paid in respect of the Municipal loans outstanding on 31st March 1948.

No. 15.—Statement of amounts of receipts and expenditure respectively, credited and debited to the Municipal Fund during the year 1947-48 and the balance at the credit of the fund at the close of the year 1947-48 (*i.e.* 31st March 1948.)

No. 16.—Comparison of Face, Purchase and Market values at 31st March 1948 of the different securities held in the Special Funds.

No. 16A.—Comparison of Face, Purchase and Market values at 31st March 1948 of the different securities held in the Sinking Funds.

No. 16B.—Statement showing the amount of and the object for which the donations held under Public Monuments Maintenance Fund were received from different parties upto 31st March 1948.

No. 16C.—Statement showing the amount of and the object for which the endowments held under Endowments Fund were received from different parties upto 31st March 1948.

No. 17.—Statement of Town Duties collected and refunds allowed in 1947-48.

No. 18.—Statement of the Income of the Bombay Municipality from 1932-33 to the close of the financial year 1947-48.

No. 19.—Statement of the Expenditure of the Bombay Municipality from 1932-33 to the close of the financial year 1947-48.

No. 20.—Contrasted statement of Income and Expenditure from the year 1932-33 to the financial year 1947-48.

IMPROVEMENT SCHEMES ACCOUNT.

No. 21.—General Financial Statistics.

No. 22.—General Account for the year 1947-48.

No. 23.—General Account for 1947-48—Details of Income.

No. 24.—General Account for 1947-48—Details of Expenditure.

No. 25.—Balance Sheet (Capital Account) as at 31st March 1948.

No. 26.—Block Account showing Capital Expenditure upto 31st March 1948.

No. 27.—Statement showing scheduled lands as specified in the Schedules W to Z annexed to Act XIII of 1933.

No. 28.—Statement showing the actual investments on account of the Sinking Fund of different Improvement Trust Loans upto 31st March 1948 compared with the amounts which should have accumulated upto that date on the basis of the fixed instalments and the sums set aside as Sinking Fund, as at 31st March 1948.

No. 29.—Statement showing outstanding loans of the Bombay Improvement Trust due by the Municipality, the interest outstanding on 1st April 1947 on the different loans, the amount payable for the year 1947-48, the amount paid during that year and the balances outstanding on 31st March 1948.

No. 30.—Comparison of Face, Purchase and Market values at 31st March 1948 of the different securities held in the Sinking Fund.

APPENDIX No. 1.

General Financial Statistics.

——	1943-44.	1944-45.	1945-46.	1946-47.	1947-48.
General.					
1. Area of the City (acres)	16,761	16,761	16,761	16,761	16,761
2. Population ...	14,89,883	14,89,883	14,89,883A 25,00,000B	14,89,883A 26,50,000B	14,89,883A 25,53,735B
Rates and Assessments.					
3. Rateable value Rs.	15,93,54,514	16,00,98,370	16,71,69,555	17,14,40,860	17,78,96,754
4. Rateable value per head of population.	Rs. 106-15-4	Rs. 107-7-3	Rs. 112-3-3A „ 66-13-11B	Rs. 115-1-1A „ 64-11-1B	Rs. 119-6-5A „ 69-10-6B
5. Properties registered in the Assessment Book	49,016	49,631	50,571	50,796	51,195
Income.	Rs.	Rs.	Rs.	Rs.	Rs.
	at 11 per cent.	at 11 per cent.	at 12 per cent.	at 14 per cent.	at 14 per cent.
6. General Tax ...	1,53,51,010	1,59,44,469	1,83,61,824	2,14,07,728	2,29,65,301
7 Income from other sources ...	2,50,47,527	2,70,33,147	3,03,75,628	3,22,73,686	440,40,579†
Total Income Rs.	4,03,98,537	4,29,77,616	4,87,37,452	5,36,81,414	670,05,880
8. Incidence of Taxation per head ...	Rs. 22-9-9	Rs. 24-2-2	Rs. 27-5-3A „ 16-4-7B	Rs. 30-9-6A „ 17-3-3B	Rs. 36-2-6A „ 21-1-6B
Loans.	Rs.	Rs.	Rs.	Rs.	Rs.
9. Debt outstanding ...	14,06,86 931	13,79,18,349	12,95,03,127	12,55,12,354	12,93,89,656
10. Redemption and Sinking Funds in hand or invested ...	3,32,83,833	3,65,28,927	3,39,87,920	3,47,48,254	3,74,41,875
11. Net Loan Debt ...	10,74,03,098	10,13,89,422	9,55,15,207	9.07,64,100	9,19,47,781
12. Net Debt per head of population ...	Rs. 72-1-5	Rs. 68-0-10	Rs. 64-1-9A „ 38-3-4 B	Rs. 60-14-9A „ 34-4-0B	Rs. 61-11-5A „ 36-0-1 B
Expenditure.	Rs.	Rs.	Rs.	Rs.	Rs.
13. *Water Works*— Maintenance ...	16,21,289	17,01,094	28,53,202	20,63,813	29,04,818
Debt Charges ...	54,21,364	54,41,354	54,79,154	55,08,628	56,31,783
14. Primary Education ...	47,11,373	53,41,151	60,77,773	70,09,488	84,66,293
15. Medical Relief and Education ...	23,58,896	24,14,403	28,34,880	27,40,313	36,65,010
16. Other City services ...	1,79,47,179	1,93,50,000	2,51,06,037	2,70,21,714	2,85,24,311
17. Works out of P.W.R. Fund ...	...	...	...	...	3,69,003
18. Debt Charges—excluding Water Works...	70,36,348	70,47,285	69,61,956	68,48,374	70,51,456
Total Expenditure Rs. ...	3,90,96,449	4,12,95,287	4,93,13,002	5,11,92,330	5,66,12,674

A :—As per Census.
B :—As per Rationing Authority.
† Includes transfer of Rs. 8,36,638 from P.W.R. Fund.

J. K. DARUVALA,
Chief Accountant,

B. K. PATEL,
Municipal Commissioner.

APPENDIX No. 2.

Revenue Account for the year ended 31st March 1948.

Particulars.			Total.	Particulars.			Total.
			Rs. a. p.				Rs. a. p.
To Revenue Expenditure as per Appendix No. 4 ...		...	5,66,12,673 9 4	By Transfer from P. W. R. Fund.		...	8,36,638 0 0
,, Balance being the surplus for the year ...		...	1,03,93,206 8 1	,, Revenue Receipts as per Appendix No. 3 ...			6,61,69,242 1 5
			6,70,05,880 1 5				6,70,05,880 1 5
	Rs. a. p.				Rs. a. p.		
To Contribution towards Improvement Schemes during 1948-49 ...	32,03,436 0 0			By Surplus Revenue Fund as at 1st April 1947 ...			89,83,547 9 2
				,, Surplus for the year ...			1,03,93,206 8 1
,, Revenue Expenditure to be incurred in 1948-49 and provided for as renewed grants ...	86,62,459 0 0			,, Revenue of previous year renewed for payment of contribution towards Improvement Schemes during 1947-48 ...	30,86,302 0 0		
		1,18,65,895	0 0				
,, Balance being Surplus Revenue Fund as at 31st March 1948 as per Appendix No. 5 ...		1,55,49,893	1 3	,, Revenue of previous years reserved for the year 1947-48 ...	49,52,732 0 0		80,39,034 0 0
		2,74,15,788	1 3				2,74,15,788 1 3

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 3

INCOME

Statement showing the Net Receipts during the Financial Year 1947-48 from all sources as contrasted with the Original and Revised Budget Estimates.

Particulars.	Budget Estimate for 1947-48.	Revised Estimate for 1947-48.	Actuals for 1947-48.	Actuals for 1946-47.	Compared with Original Estimate. + Increase —Decrease.	Compared with Revised Estimate. +Increase —Decrease.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Transfer from P. W. R. Fund ...	8,68,046	7,94,447	8,36,638	...	—31,408	+42,191
1.—General Tax, Indirect Taxation and Miscellaneous Revenue.						
A.—General Tax at 14 per cent.—						
(1) From the Public ...	1,84,04,913	1,88,99,850	1,85,18,064	1,75,82,275	+1,13,151	—3,81,786
(2) From Government ...	5,01,225	5,01,195	11,44,958	5,01,226	+6,43,733	+6,43,763
(3) From Port Trust ...	11,22,175	11,22,175	11,22,175	11,22,175	...	...
(4) For Improvement Schemes Properties ...	3,54,951	3,55,709	3,28,479	3,42,860	—26,472	—27,230
(5) From Mills ...	13,02,383	13,01,332	12,96,536	13,08,847	—5,847	—4,796
(6) From G.I.P. Railway ...	3,08,966	3,08,965	3,11,629	3,08,966	+2,663	+2,664
(7) From B.B. & C.I. Railway ...	2,41,378	2,41,377	2,43,460	2,41,379	+2,082	+2,083
	2,22,35,991	2,27,30,603	2,29,65,301	2,14,07,728	+7,29,310	+2,34,698
B.—Town Duties—						
(1) Through Port Trust ...	8,50,000	41,50,000	51,10,723	10,02,412	+42,60,723	+9,60,723
(2) Through G.I.P. Railway ...	10,50,000	24,50,000	28,57,156	9,35,042	+18,07,156	+4,07,156
(3) Through B.B. & C.I. Railway ...	4,50,000	7,50,000	10,15,670	3,05,495	+5,65,670	+2,65,670
(4) Election and T.D.O. ...	2,00,000	4,50,000	6,48,822	2,05,076	+4,48,822	+1,98,822
	25,50,000	78,00,000	96,32,371	24,48,025	+70,82,371	+18,32,371
Deduct—Refunds and Commission charges ...	6,50,000	23,00,000	8,56,643	8,29,555	—2,06,643	+14,43,357
	19,00,000	55,00,000	87,75,728	16,18,470	+68,75,728	+32,75,728
C.—Grant-in-aid of the fees for Land, Conveyance, Music Licences (issued by the Commissioner of Police) ...	5,000	9,000	4,768	11,376	—232	—4,232
D.—Grant-in-aid in respect of fines for offences against the Law ...	1,20,000	1,75,000	3,31,158	2,52,292	+2,11,158	+1,56,158
E.—Interest and Profit on Investments of Surplus Loan and other Balances ...	3,00,000	4,50,000	6,64,929	5,93,914	+3,64,929	+2,14,929
F.—Interest and Profit on Plant and Machinery Depreciation Fund ...	70,000	68,000	68,977	72,101	—1,023	+977
G.—Miscellaneous						
(1) Contribution from Municipal servants towards Pensions etc., Fund ...	4,000	12,500	14,962	12,689	+10,962	+2,462
(2) Miscellaneous receipts ...	40,000	80,200	1,25,576	79,516	+85,576	+45,376
(3) Miscellaneous fees ...	18,000	16,000	16,922	15,679	—1,078	+922
(4) Rent of buildings and lands ...	1,57,588	87,016	1,00,700	1,82,051	—56,888	+13,684
	2,19,588	1,95,716	2,58,160	2,89,935	+38,572	+62,444
	2,48,50,579	2,91,28,319	3,30,69,021	2,42,50,816	+82,18,442	+39,40,702
2.—Water Works.						
Water Tax and other Miscellaneous Water Works Revenue—						
(1) On Ratable Value ...	43,70,163	45,17,708	44,48,864	41,53,334	+78,701	—68,844
(2) By Measurement per 1,000 gallons ...	1,02,31,000	82,15,783	88,99,778	1,02,71,857	—13,31,222	+6,83,995
(3) Rent of Water Meters ...	1,15,500	1,16,500	1,09,130	1,03,182	—6,370	—7,370
(4) Compounded Tax ...	92,706	97,706	1,32,646	3,38,396	+39,940	+34,940
(5) Rent of Buildings and Lands ...	7,000	13,200	13,924	10,933	+6,924	+724
	1,48,16,369	1,29,60,897	1,36,04,342	1,48,77,702	—12,12,027	+6,43,445
(6) Miscellaneous—						
Miscellaneous receipts ...	28,000	37,700	60,720	41,494	+32,720	+23,020
	1,48,44,369	1,29,98,597	1,36,65,062	1,49,19,196	—11,79,307	+6,66,465
3.—Education (Primary).						
Contribution from Government ...	9,75,000	9,75,000	9,75,017	9,77,890	+17	+17
Miscellaneous—						
Miscellaneous receipts ...	300	300	1,090	5,387	+790	+790
	9,75,300	9,75,300	9,76,107	9,83,277	+807	+807
4.—Education (Secondary).						
Miscellaneous—						
Miscellaneous receipts ...	800	1,200	1,047	1,202	+247	—153
5.—Public Health Department.						
A.—Interest realised on Donations ...	75	75	75	75	...	...
B.—Miscellaneous—						
(1) Miscellaneous receipts ...	1,31,000	7,174	13,566	10,271	—1,17,434	+6,392
(2) Miscellaneous fees ...	45,000	55,376	59,049	51,959	+14,049	+3,673
(3) Rent of Buildings and Lands ...	73,925	87,456	88,625	62,557	+14,700	+1,169
(4) Sale of rights ...	...	...	...	...	...	...
	2,49,925	1,50,006	1,61,240	1,24,787	—88,685	+11,234
C.—Grant-in-aid from Government for the duty free supply of Spirituous Medical Preparations for the use of Hospitals and Dispensaries ...	6,000	6,636	10	3,885	—5,990	—6,626
D.—Tax on Dogs ...	44,000	44,035	40,270	40,269	—3,730	—3,765
	3,00,000	2,00,752	2,01,595	1,69,016	—98,405	+843
Carried forward Rs. ...	4,09,71,048	4,33,04,168	4,79,12,832	4,03,23,507	+69,41,784	+46,08,664
Transfer from P. W. R. Fund ...	8,68,046	7,94,447	8,36,638	...	—31,408	+4,2191

(a) These are net receipts after deducting Commission charges amounting to Rs. 2,27,091
(b) This is exclusive of Commission charges amounting to Rs. 2,27,091

Appendix No. 3—(*Continued.*)

INCOME

Statement showing the Net Receipts during the Financial year 1947-48 from all sources as contrasted with the Original and Revised Budget Estimates.

Particulars.	Budget Estimate for 1947-48.	Revised Estimate for 1947-48.	Actuals for 1947-48.	Actuals for 1946-47.	Compared with Original Estimate	Compared with Revised Estimate
1	2	3	4	5	+Increase —Decrease 6	+Increase —Decrease 7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	8,68,046	7,94,447	8,36,638	...	—31,408	+42,191
Brought forward ...	4,09,71,048	4,33,04,168	4,79,12,832	4,03,23,507	+69,41,784	+46,08,664
6.—Medical Relief and Education.						
A.—Interest realised on donations from the Public ...	4,300	4,300	4,267	4,474	—33	—33
B.—Miscellaneous—						
(1) Miscellaneous receipts ...	1,500	1,552	6,071	2,350	+4,571	+4,519
(2) Miscellaneous fees ...	2,600	5,763	6,654	1,835	+4,054	+891
(3) Rent of Buildings and Lands ...	324	8,000	10,033	50,154	+9,709	+2,033
	4,424	15,315	22,758	54,339	+18,334	+7,443
C.—Receipts from Gordhandas Sunderdas Medical College ...	1,44,576	1,61,583	1,59,478	1,49,097	+14,902	—2,105
D.—Receipts from King Edward Memorial Hospital ...	8,300	11,100	11,311	15,337	+3,011	+211
E.—Interest realised on Hospital Fund (for Veneral Ward at King Edward Memorial Hospital) ...	26,000	28,000	32,835	28,088	+6,835	+4,835
F.—Interest on K. E. M. Hospital and G. S. Medical College Equipment Fund ...	4,000	4,200	4,736	4,188	+736	+536
G.—Grant-in-aid from Government in respect of Excise Duty etc., for spirituous articles ...	10,000	10,000	7,110	10,092	—2,890	—2,890
H.—Receipts from—						
(a) The Topiwalla National Medical College ...	59,000	73,995	81,779	35,133	+22,779	+7,784
(b) Nair Hospital Dental College ...	21,000	30,547	33,412	8,313	+12,412	+2,865
(c) Bai Yamunabai L. Nair Hospital ...	10,000	7,932	7,286	5,036	—2,714	—646
	90,000	1,12,474	1,22,477	48,482	+32,477	+10,003
I.—Receipt from Dharavi Hospital	...	525	105		+105	—420
	2,91,600	3,47,497	3,65,077	3,14,097	+73,477	+17,580
7.—Street Cleansing and Conservancy, Road Watering and Halalkhore service.						
A.—Halalkhore Tax—@ 3 per cent.						
(1) On Ratable Value ...	44,82,778	46,51,774	44,87,825	44,75,345	+5,047	—1,63,949
(2) For Special Service ...	3,10,000	4,42,430	3,66,986	3,27,810	+56,986	—75,444
	47,92,778	50,94,204	48,54,811	48,03,155	+62,033	—2,39,393
B.—Miscellaneous						
(1) Sale of Rights ...	65,000	1,02,759	72,529	65,892	+7,529	—30,230
(2) Miscellaneous receipts ...	10,000	16,084	17,820	26,225	+7,820	+1,736
(3) Miscellaneous fees ...	70,000	1,07,067	35,100	95,378	—34,900	—71,967
(4) Rent of Buildings and Lands ...	30,000	10,144	13,523	14,073	—16,477	+3,379
	1,75,000	2,36,054	1,38,972	2,01,568	—36,028	—97,082
	49,67,778	53,30,258	49,93,783	50,04,723	+26,005	—3,36,475
8.—Roads, Drains and Sewers.						
A.—Wheel Tax and Government contribution in lieu of Tolls—						
(1) Private conveyances ...	16,45,322	17,50,000	19,84,551	16,59,860	+3,39,229	+2,34,551
(2) Public conveyances ...	2,87,000	2,82,000	2,79,695	2,80,003	—7,305	—2,305
(3) Contribution from Government in lieu of Tolls ...	25,000	50,000	75,000	...	+50,000	+25,000
	19,57,322	20,82,000	23,39,246	19,39,863	+3,81,924	+2,57,246
B.—Ground Rent—						
(1) From Tramway Co. ...	67,000	67,000	33,472	66,944	—33,528	—33,528
(2) From Telephone Co. ...	...	...	...	...	...	...
(3) From Private Parties ...	35,158	33,638	31,151	66,532	—4,007	—2,487
	1,02,158	1,00,638	64,623	1,33,476	—37,535	—36,015
C.—Miscellaneous—						
(1) Miscellaneous receipts ...	78,000	89,334	2,25,485	1,67,844	+1,47,485	+1,36,151
(2) Miscellaneous fees ...	23,100	52,600	78,781	34,675	+55,681	+26,181
(3) Rent of Buildings and Lands ...	37,520	49,839	45,680	33,205	+8,160	—4,159
	1,38,620	1,91,773	3,49,946	2,35,724	+2,11,326	+1,58,173
D.—Interest realised on donations ...	1,900	2,000	1,904	2,041	+4	—96
	22,00,000	23,76,411	27,55,719	23,11,104	+5,55,719	+3,79,308
9.—Mechanical.						
Miscellaneous—						
Miscellaneous receipts ...	90,000	1,38,000	51,648	55,038	—38,352	—86,352
10.—Buildings, Land Acquisition and Management.						
A.—Sale proceeds of Surplus Land ...	10,00,000	10,00,000	10,00,000	10,00,000	...	...
B.—Rent of Buildings ...	37,644	40,348	41,589	37,599	+3,945	+1,241
C.—Ground Rent ...	2,33,478	2,43,747	2,53,390	2,40,814	+19,912	+9,643
D.—Miscellaneous—						
(1) Sale of Rights and Miscellaneous Receipts ...	8,000	4,847	10,065	8,052	+2,065	+5,218
(2) Miscellaneous fees ...	1,64,775	1,80,250	1,76,017	1,27,136	+11,242	—4,233
	14,43,897	14,69,192	14,81,061	14,13,601	+37,164	+11,869
Carried forward Rs. ...	4,99,64,323	5,29,65,526	5,75,60,120	4,94,22,070	+75,95,797	+45,94,594
Carried forward Rs. ...	8,68,046	7,94,447	8,36,638	...	—31,408	+42,191

Appendix No. 3—(*Concluded.*)

INCOME.

Statement showing the Net Receipts during the Financial year 47-48 from all sources as contrasted with the Original and Revised Budget Estimates.

Particulars.	Budget Estimate for 1947-48.	Revised Estimate for 1947-48.	Actuals for 1947-48.	Actuals for 1946-47.	Compared with Original Estimate + Increase — Decrease	Compared with revised Estimates + Increase — Decrease
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brrught over Rs. ...	8,68,046	7,94,447	8,36,638	...	—31,408	+42,191
Brought over Rs. ...	4,99,64,323	5,29,65,526	5,75,60,120	4,94,22,070	+75,95,797	+45,94,594
11.—Fire Brigade.						
A.—Fire Tax at 1 per cent.—						
(1) From the Public ...	6,57,318	8,43,743	6,68,068	6,32,202	+10,750	—1,75,675
(2) From Government ...	17,901	22,375	47,009	17'901	+29,108	+24,634
(3) From Port Trust ...	40,078	50,097	50,097	40'078	+10,019	...
(4) For Improvement Schemes Properties ...	12,677	15.880	14,092	12'263	+ 1,415	—1,788
(5) From Mills ...	46,514	58,095	46,294	46 921	— 220	—11,801
(6) From G. I. P. Railway ...	11,034	13,793	11,129	11,'034	+ 95	—2,664
(7) From B.B. & C.I. Railway ...	8,621	10,776	8,695	8,621	+ 74	—2,081
	7,94,143	10,14,759	8,45,384	7,69,020	+51,241	—1,69,375
B.—Miscellaneous—						
Miscellaneous receipts ...	25,000	25,000	21,376	22,757	—3,624	—3,624
	8,19,143	10,39,759	8,66,760	7,91,777	+47,617	—1,72,999
12.—Licensing and Removal of Encroachments on Public Streets.						
A.—Licences for Dangerous and Offensive Trades ...	2,42,800	5,90,294	6,02,240	2,57,258	+3,59,440	+11,946
B.—Removal of encroachment on Public Streets—						
Licences for Squatters and Hawkers and fees for Removal of Encroachments ...	1,98,400	3,08,159	3,14,956	1,79,819	+1,16,556	+6,797
C.—Grant-in-aid from Government for the Administration of Shops & Establishment Act of 1939. ...	65,000	65,000	37,937	66,400	—27,063	—27,063
D.—Miscellaneous—						
(1) Miscellaneous receipts ...	600	1,587	1,925	791	+ 1,325	+338
(2) Advertisements ...	1,08,000	1,91,000	2,06,809	1,51,624	+98,809	+15,809
	1,08,600	1,92,587	2,08,734	1,52,415	+1,00,134	+16,147
	6,14,800	11,56,040	11,63,867	6,55,892	+5,49,067	+7,827
13.—Gardens and Open Spaces.						
Miscellaneous—						
(1) Miscellaneous receipts ...	600	2,356	3,530	2,367	+ 2,930	+1,174
(2) Rent of Buildings and Lands ...	1,17,001	1,17,001	1,20,452	1,19,594	+ 3,451	+3,451
(3) Vegetable Fruit & Flower Show ...	...	3,000	2,708	793	+ 2,708	—292
	1,17,601	1,22,357	1,26,690	1,22,754	+9,089	+4,333
14.—Markets and Slaughter Houses.						
Miscellaneous—						
(1) Stallege chargas ...	5,25,000	10,53,000	9,64,609	5,61,352	+4,39,609	—88,391
(2) Squatters' fees ...	2,50,000	5,03,000	6,37,316	3,48,625	+3,87,316	+1,34,316
(3) Fair ground and feeding fees ...	3,50,000	3,20,000	3,34,412	3,37,982	— 15,588	+14,412
(4) Slaughter fees ...	5,25,000	6,00,000	6,29,364	5,38,241	+1,04,364	+29,364
(5) Miscellaneous receipts ...	3,50,000	3,10,000	3,26,003	3,84,363	—23,997	+ 16,003
(6) Rent of Buildings and Lands ...	25,000	30,000	28,642	37,164	+3,642	—1,358
(7) Cold Storage rent ...	55,000	32,000	40,220	59,106	—14,780	+8,220
(8) Licensey fees from Private Markets Owners	Shown under (5) Mis. Receipts	88,700	22,598		+22,598	—66,102
	20,80,000	29,36,700	29,83,164	22,66,833	+9,03,164	+46,464
15.—Contribution from Capital Funds to Revenue on account of Loan Works Staff ...	2,00,000	2,99,000	1,35,379	90,340	—64,621	—1,63,621
16.—Extraordinary Receipts.						
Interest on Net Premia Fund and Excess interest on Sinking Fund ...	1,00,000	1,20,000	1,45,393	1,45,604	+ 45,393	+25,393
17.—Rebate from Government on account of Collection of the Urban Immovable Property Tax in the City ...	1,89,000	1,88,600	1,87,869	1,86,144	—1,131	—731
18.—Grant in aid ...	30,00,000	30,00,000	30,00,000			...
Total Income ...	5,70,84,867	6,18,27,982	6,61,69,242	5,36,81,414	+90,84,375	+43,41,260
Transfer from P.W.R. Fund ...	8,68,046	7,94,447	8,36,638	...	—31,408	+42,191
Total Income including transfer P.WR. Fund ...	5,79,52,913	6,26,22,429	6,70,05,880	5,36,81,414	+90,52,967	+43,83,451

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 4.

EXPENDITURE.

Statement showing the Actuals as compared with the Final Grants for 1947-48.

Particulars.	Final grants sanctioned for expenditure during 1947-48.	Actuals for 1947-48.	Final Grants compared with the Actuals		Actuals for 1946-47.
			Amount required to be renewed in 1948-49.	Savings.	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—General Supervision, Collection of Revenue, etc.					
A.—General Superintendence					
(*a*) Corporation and Standing Committee ...	3,15,600	2,86,414	25,101	4,085	1,82,019
(*b*) Chief Auditor's Establishment ...	1,30,522	1,24,192	4,523	1 807	79,833
(*c*) Municipal Commissioner's Personal and General Office ...	2,24,398	1,67,318	42,460	14,620	1,63,902
(*d*) Audit and Accounts ...	4,86,534	4,27,203	41,669	17,662	3,39,942
	11,57,054	10,05,127	1,13,753	38,174	7,65,696
B.—Collection of Revenue—					
(*a*) Property and Wheel Tax Establishment ...	10,26,255	9,75,500	25,164	25,591	7,41,731
(*b*) Town Duty Establishment ...	2,08,424	1,70,357	31,231	6,836	1,39,586
	12,34,679	11,45,857	56,395	32,427	8,81,317
C.—Upkeep of Municipal Head Office ...	72,103	45,282	14,045	12,776	50,781
D.—General Stores ...	1,26,835	1,16,263	7,397	3,175	1,03,181
E.—Miscellaneous Charges ...	3,26,032	1,54,704	61,095	1,10,233	1,10,440
F.—Election Expenses ...	12,74,247	4,40,287	7,72,612	61,348	4,12,854
New Works ...	37,588	10,997	16,332	10,259	6,949
Debt Charges ...	44,080	41,928	51	2,101	44,165
	42,72,618	29,60,445	10,41,680	2,70,493	23,75,383
Deduct—Proportionate share debitable to Water Works, Fire Brigade, Markets and Improvement Schemes Account and Schools Fund Account ...	9,91,128	7,71,061	1,70,818	49,249	6,17,995
	32,81,490	21,89,384	8,70,862	2,21,244	17,57,388
II.—Water Works.					
A.—Establishment and Labour ...	12,55,521	8,54,195	3,09,881	91,445	7,08,379
B.—Repairs and Maintenance ...	6,59,198	4,74,571	1,47,950	36,677	4,08,506
C.—Meters ...	66,340	32,745	22,109	11,486	37,130
D.—Miscellaneous ...	4,21,752	2,72,481	1,17,204	32,067	3,44,248
E.—Depreciation on Plant and Machinery ...	11,832	5,420	...	6,412	5,490
Provident Fund and Pension, etc., charges ...	2,11,275	1,52,797	35,000	23,478	1,37,119
Proportion of General Supervision and Collection of Revenue ...	6,52,679	4,86,837	1,30,706	35,136	4,00,097
Dearness Allowance	8,07,070	5,97,959	1,00,000	1,09,111	5,52,051
New Works ...	48,126	27,813	12,792	7,521	22,844
Works to be carried out from the amount transfered out of the P.W.R. Fund	84,939	3,272	81,666	1	...
Debt Charges ...	58,73,960	56,31,783	1,75,586	66,591	55,08,628
	1,00,92,692	85,39,873	11,32,894	4,19,925	81,24,492
III.—Education (Primary).					
Municipal Institutions ...	89,56,349	84,66,293	3,01,483	1,88,573	70,09,488
Debt Charges ...	1,54,362	1,52,688	1,574	100	1,51,003
	91,10,711	86,18,981	3,03,057	1,88,673	71,60,491
IV.—Education (Secondary).					
A.—Victoria and Albert Museum ...	31,038	26,730	1,600	2,708	19,962
B.—Opening New reading Rooms and Libraries ...	48,715	40,511	2,402	5,802	31,272
Debt Charges ...	1,433	1,429	...	4	1,502
	81,186	68,670	4,002	8,514	52,736
V.—Public Health Department.					
A.—General Supervision ...	10,43,040	7,47,611	1,71,185	1,24,244	6,43,725
B.—Epidemics ...	1,11,272	80,762	20,303	10,207	89,312
C.—Vaccination ...	1,51,981	98,875	47,285	5,821	1,26,648
D.—Malaria ...	3,42,646	2,91,030	29,730	21,886	2,73,093
E.—Miscellaneous—					
(*a*) Cemeteries ...	60,391	43,785	5,315	11,291	35,351
(*b*) Laboratory ...	47,378	37,332	7,088	2,958	30,442
(*c*) Mahaluxmi Dhobiwada ...	84,422	78,934	2,124	3,364	52,487
(*d*) Dharmashalas ...	1,212	752	299	161	567
(*e*) Destruction of dogs ...	17,088	10,194	3,455	3,439	8,589
Public Health, Carried over ...	18,59,430	13,89,275	2,86,784	1,83,371	12,10,214
Carried over ...	2,25,66,079	1,94,16,908	23,10,815	8,38,356	1,70,95,107

Appendix No. 4.—(*Continued.*)

EXPENDITURE.

Particulars.	Final grants sanctioned for expenditure during 1947-48.	Actuals for 1947-48.	Final Grants compared with the Actuals		Actuals for 1946-47.
			Amount required to be renewed in 1948-49.	Savings.	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward Rs. ...	2,25,66,079	1,94,16,908	23,10,815	8,38,356	1,70,95,107
Public Health—Brought forward ...	18,59,430	13,89,275	2,86,784	1,83,371	12,10,214
F.—Medical Inspection of School children including the Dental Clinic ...	69,764	48,215	18,190	3,359	44,816
G.—Propoganda for Public Health ...	51,929	25,396	8,737	17,796	27,754
H.—Supply of milk to the undernourished needy children attending Municipal Schools ...	4,27,220	1,19,642	3,00,000	7,578	80,884
I.—Licensing of Dogs ...	33,772	24,945	4,884	3,943	24,842
New Works ...	50,130	2,344	25,643	22,143	2,545
Debt Charges ...	59,217	58,865	300	52	56,706
	25,51,462	16,68,682	6,44,538	2,38,242	14,47,761
VI.—Medical Relief and Education.					
A.—Hospitals and Maternity Homes—					
(*a*) King Edward Memorial Hospital ...	17,11,802	13,50,641	2,52,278	1,08,883	9,72,396
(*aa*) Dharavi Hospital ...	4,98,778	1,11,196	1,50,644	2,36,938	10,408
(*b*) Infectious Diseases Hospitals ...	6,68,598	4,90,429	94,163	84,006	4,66,219
(*c*) Maternity Homes ...	2,26,609	1,65,713	41,546	19,350	1,62,478
(*d*) Turner Sanitorium at Bhoiwada ...	1,33,170	1,12,390	15,696	5,084	1,15,076
(*e*) Ramesh Premchand Tuberculosis Hospital ...	1,12,495	22,169	59,424	30,902	6,073
	33,51,452	22,52,538	6,13,751	4,85,163	17,32,650
B.—Dispensaries—					
(*a*) Dispensaries for out-patients ...	1,97,569	1,32,457	55,016	10,096	1,19,765
(*b*) Anti-Tuberculosis Dispensaries ...	60,012	46,087	5,802	8,123	42,317
(*c*) Dispensary for combating Veneral Diseases ...	69,972	60,011	5,282	4,679	52,727
	3,27,553	2,38,555	66,100	22,898	2,14,809
C.—Medical and Nursing Assistance to Poor People in their Houses ...	150	...	...	150	...
D.—Gordhandas Sunderdas Medical College ...	3,89,956	3,27,449	38,299	24,208	2,81,153
E.—Statutory Contribution to Government Medical Institutions ...	4,14,500	4,14,500	...	...	4,14,500
F.—Clinic for treatment of Leprosy Cases ...	51,882	19,500	32,382	...	15,000
G.—Familyplanning clinics ...	5,426	3,759	1,161	506	100
H.—B.Y.L. Nair Hospital, Nair Hospital dental College, Topiwalla National Medical College. ...	7,70,547	3,89,305	1,37,949	2,43,293	72,174
New Works ...	76,289	19,404	23,165	33,720	9,927
Works to be carried out from the amount transferred out of the P.W.R. Fund.	9,220	...	9,220	...	...
Debt Charges ...	4,69,333	4,64,139	4,928	266	4,59,420
	58,66,308	41,29,149	9,26,955	8,10,204	31,99,733
VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service.					
A.—Street Cleansing and Conservancy—					
(*a*) Superintendence and Inspection ...	3,89,290	2,86,664	89,136	13,490	2,49,776
(*b*) Veterinary ...	59,478	39,238	17,816	2,424	35,617
(*c*) Street Cleansing and Sanitation—					
(*a*) Scavengering ...	27,92,629	20,96,845	1,48,518	5,47,266	19,08,867
(*b*) Road Scraping and Road Washing ...	1,84,865	1,44,777	14,607	25,481	1,27,324
(*d*) Gully Flushing ...	2,34,358	1,86,325	9,151	38,882	1,59,716
	36,60,620	27,53,849	2,79,228	6,27,543	24,81,300
(*e*) Removal of Town Refuse to Tardeo for transport to Deonar—					
(1) Bullock Traction ...	6,22,890	4,35,697	23,971	1,63,222	4,62,952
(2) Motor Traction ...	7,91,465	6,03,069	52,476	1,35,920	...
(3) Incineration ...	6,789	1,980	3,438	1,371	1,358
(4) Loading Sidings, Mahalaxmi ...	2,68,216	1,94,809	34,432	38,975	1,63,362
	16,89,360	12,35,555	1,14,317	3,39,488	6,27,672
(*f*) Miscellaneous ...	1,61,958	1,24,697	6,084	31,177	1,03,713
	55,11,938	41,14,101	3,99,629	9,98,208	32,12,685
B.—Transport of refuse, etc., to Deonar ...	4,58,365	3,81,130	46,533	30,702	3,53,078
C.—Road Watering ...	28,883	11,913	3,356	13,614	13,347
D.—Halalkhore Service—					
(*a*) Cleansing and Sanitation ...	5,31,819	4,18,704	21,805	91,310	3,68,935
(*b*) Bullock Traction ...	90,112	55,332	15,038	19,742	70,970
(*c*) Miscellaneous ...	1,79,092	97,213	58,789	23,090	67,273
	8,01,023	5,71,249	95,632	1,34,142	5,07,178
New Works ...	78,902	22,279	36,836	19,787	13,487
Works to be carried out from the amount transferred out of the P.W.R. Fund.	1,44,194	20,000	1,24,194	...	
Debt Charges ...	3,96,556	3,80,606	13,472	2,478	3,74,023
	74,19,861	55,01,278	7,19,652	11,98,931	44,73,798
Carried over Rs. ...	3,84,03,710	3,07,16,017	46,01,960	30,85,733	2,62,16,399

Appendix No. 4—(*Continued.*)

EXPENDITURE

Particulars.	Final grants sanctioned for expenditure during 1947-48.	Actuals for 1947-48.	Final Grants compared with the Actuals		Actuals for 1946-47.
			Amount required to be renewed in 1948-49.	Savings.	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward Rs. ...	3,84,03,710	3,07,16,017	46,01,960	30,85,733	2,62,16,399
VIII.—Roads, Drains and Sewers.					
A.—General ...	2,74,977	2,01,071	49,138	24,768	1,99,140
B.—Maintenance of Roads ...	32,07,240	15,11,029	7,14,899	9,81,312	12,90,864
C.—Public Lighting ...	12,98,886	11,13,190	85,690	1,00,006	9,96,066
D.—Cleansing of Drains and Sewers and Street connections ...	8,67,424	6,60,447	1,08,438	98,539	4,69,451
E.—Rebate on account of the compounded Wheel Tax ...	23,700	20,459	600	2,641	20,282
	56,72,227	35,06,196	9,58,765	12,07,266	29,75,803
New Works ...	1,05,845	16,728	39,903	49,214	5,416
Works to be carried out from the amount Transferred out of P. W. R. Fund ...	90,911	14,969	44,533	31,409	...
Debt Charges ...	36,41,338	34,93,710	91,914	55,714	33,40,341
	95,10,321	70,31,603	11,35,115	13,43,603	63,21,560
IX.—Mechanical.					
A.—Mechanical Engineer's Office Establishment ...	1,94,970	1,45,148	47,449	2,373	1,11,388
B.—Pumping Compressor Stations—					
(*a*) Inspection and Supervision— ...	35,206	26,259	8,650	297	17,223
(*b*) Pumping Stations in the City—					
(*i*) Pumping Station, Love Grove ...	2,50,391	1,75,110	43,689	31,592	1,51,423
(*ii*) Other minor pumping stations in the City ...	1,93,065	1,41,789	34,852	16,424	1,31,210
(*c*) Purification Works ...	2,65,135	1,69,184	61,690	34,261	1,25,294
(*d*) Compressor Stations in the City—					
(*i*) Compressor Station, Colaba ...	65,387	52,458	10,643	2,286	40,964
(*ii*) Compressor Station, Victoria Garden Fergusson Road and Warden Road ...	2,16,886	1,74,905	30,418	11,563	1,33,099
(*e*) Flood Gates ...	58,000	13,173	16,977	27,850	6,056
	10,84,070	7,52,878	2,06,919	1,24,273	6,05,269
C.—Supervision of Factories, Workshops and Workplaces ...	8,196	5,716	2,298	182	8,998
D.—Transport—					
(1) Inspection and Supervision ...	34,290	26,890	7,146	254	21,707
(2) Upkeep of Motor car of His Worship the Mayor ...	7,713	3,228	1,636	2,849	3,744
(3) Upkeep of Motor car of Committee Members ...	3,941	2,640	536	765	1,168
(4) Upkeep of Motor car of Municipal Commissioner ...	4,277	3,193	330	754	4,091
(5) Upkeep of City Engineer's Motor car ...	6,149	5,087	1,010	52	5,672
(6) Upkeep of S. S.'s Motor car ...	5,146	4,044	725	377	2,466
(7) Upkeep of H.O.'s Motor car ...	4,854	3,821	405	628	3,888
(8) Upkeep of Motor hearses ...	13,334	10,218	1,111	2,005	10,776
(9) Upkeep of Motor Ambulance ...	29,673	18,685	9,343	1,645	23,161
(10) Removal of Town Refuse to Tardeo for transport to Deonar ...	8,22,570	7,11,612	77,700	33,258	10,34,243
(11) Upkeep of Motor Silt Wagons ...	35,018	28,763	4,450	1,805	24,411
(12) Halalkhore Service ...	41,537	28,685	3,020	9,832	30,004
(13) Removal of Encroachment on public streets ...	15,008	9,073	3,953	1,982	6,861
(14) Markets and Slaughter Houses—					
(*a*) Disposal of Offal ...	28,842	19,710	4,760	4,372	14,947
(*b*) Meat Carriage ...	1,37,007	1,13,503	14,400	9,104	93,911
(15) Public Health Department Medical Inspection of school children...	4,000	2,491	700	809	*
(16) Public Health Department up keep of Propagenda van ...	3,000	1,170	400	1,430	**
(17) Maintenance of oil filter ...	884	592	190	102	583
(18) Removal of Stall Boards in the city ...	570	...	...	570	...
	11,97,813	9,93,405	1,31,815	72,593	12,81,633
	24,85,049	18,97,147	3,88,481	1,99,421	20,07,288
E.—Refrigerator ...	31,468	24,496	4,606	2,366	19,041
F.—Oiling and Greasing surplus Machinery ...	100	...	...	100	...
New Works ...	44,823	4,502	30,626	9,695	3,748
Works to be carried out from the amount transferred out of the P.W.R. Fund...	3,18,390	1,47,713	1,70671	6	...
Debt Charges ...	1,63,140	1,55,426	3,041	4,673	1,38,197
	30,42,970	22,29,284	5,97,425	2,16,261	21,68,274
	5,09,57,001	3,99,76,904	63,34,500	46,45,597	3,47,06,233

* Shown under V P.H.D. F—Medical Inspection of school children.
** Shown under V P.H.D. G Propagenda for Public Health

Appendix No. 4—(*Concluded.*)

EXPENDITURE.

Particulars.	Final grants sanctioned for expenditure during 1947-48.	Actuals for 1947-48.	Final Grants compared with the Actuals		Actuals for 1946-47.
			Amount required to be renewed in 1948-49.	Savings.	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward Rs. ...	5,09,57,001	3,99,76,904	63,34,500	46,45,597	3,47,06,233
X.—Buildings, Land Acquisition and Management.					
A.—City Engineer's Central Office Establishment ...	1,50,489	1,35,361	9,080	6,048	96,902
B.—Inspection and Supervision of Private Buildings ...	3,95,036	2,85,642	75,990	33,404	2,54,533
C.—Architectural ...	1,16,443	87,811	24,436	4,196	77,664
D.—Land Acquisition and Management ...	1,05,425	76,959	19,303	9,163	63,118
	7,67,393	5,85,773	1,28,809	52,811	4,92,217
Deduct—Proportionate share of cost of Establishment, and Supervision chargeable to Improvement Schemes	86,700	9,598	...	77,102	6,321
	6,80,693	5,76,175	1,28,809	Cr. 24,291	4,85,896
New Works ...	6,634	676	5,955	3	750
Debt Charges ...	18,50,179	18,20,660	26,736	2,783	18,11,637
	25,37,506	23,97,511	1,61,500	Cr. 21,505	22,98,283
XI.—Fire Brigade.					
Maintenance ...	8,05,196	6,00,758	1,24,874	79,564	5,03,483
Provident Fund and Pension, etc., charges ...	1,61,849	1,28,597	12,500	20,752	1,38,141
Proportion of General Supervision and Collection of Revenue ...	53,041	39,832	10,481	2,728	32,749
Dearness Allowance ...	1,63,400	1,25,809	25,000	12,591	1,09,769
New Works ...	8,283	2,888	5,044	351	2,273
Works to be carried out from the amount transferred out of the P.W.R. Fund...	1,39,965	1,31,120	8,845	...	...
Debt Charges ...	76,082	74,584	124	1,374	71,259
	14,07,816	11,03,588	1,86,868	1,17,360	8,57,674
XII.—Licensing and Removal of Encroachments on Public Streets.					
A.—Licensing Establishment ...	1,72,800	1,39,160	28,807	4,833	1,28,141
B.—Removal of Encroachment on Public Streets ...	1,00,679	76,201	22,542	1,936	68,111
C.—Administration of Shops and Establishment Act 1939 ...	1,22,042	1,14,104	2,681	5,257	68,953
New Works ...	7,405	2,440	2,030	2,935	...
Works to be carried out from the amount transferred out of the P.W.R. Fund...	57,456	51,929	5,526	1	...
	4,60,382	3,83,834	61,586	14,962	2,65,205
XIII.—Gardens and Open Spaces.					
A.—Gardens—					
(*a*) Victoria Gardens ...	2,25,632	1,79,901	27,274	18,457	1,61,889
(*b*) Miscellaneous Gardens, Open Spaces, Band Stands, etc. ...	1,40,164	97,443	20,507	22,214	77,773
	3,65,796	2,77,344	47,781	40,671	2,39,662
B.—New Gardens, Recreation Grounds, etc. ...	10,941	2,815	8,087	39	5,654
New Works ...	19,976	6,658	8,378	4,940	4,990
Debt Charges ...	2,07,099	2,06,669	257	173	2,06,566
	6,03,812	4,93,486	64,503	45,823	4,56,872
XIV.—Markets and Slaughter Houses.					
A.—Markets and Slaughter Houses—					
(*a*) Central Office ...	63,627	53,913	3,260	6,454	43,959
(*b*) Municipal Markets ...	3,39,876	2,49,671	58,619	31,586	2,40,646
(*c*) Slaughter Houses ...	2,90,757	2,69,149	15,117	6,491	2,51,845
(*d*) Private Markets ...	5,005	2,004	2,923	78	...
	6,99,265	5,74,737	79,919	44,609	5,36,450
Provident Fund and Pension, etc., charges ...	75,000	43,691	13,500	17,809	40,752
Proportion of General Supervision ...	74,810	44,281	24,631	5,898	35,515
Dearness Allowances ...	1,86,972	1,50,531	25,000	11,441	1,31,472
New Works ...	57,855	4,793	26,448	26,614	11,339
Works to be carried out from the amount transferred out of the P.W.R. Fund...	22,971	...	22,971	...	...
Debt Charges ...	2,18,314	2,00,752	83	17,479	1,93,555
	13,35,187	10,18,785	1,92,552	1,23,850	9,49,083
XV.—Contribution towards Improvement Schemes ...	30,86,302	29,96,319	...	89,983	29,99,589
XVI.—Provident Fund, Pensions, Gratuities and Compassionate Allowances.					
A.—Provident Fund ...	15,10,500	11,94,363	2,40,000	76,137	8,82,322
B.—Pensions, Gratuties, etc. ...	7,15,700	6,36,734	29,000	49,966	6,44,770
	22,26,200	18,31,097	2,69,000	1,26,103	15,27,092
XVII.—Urban Immovable Property Tax on Municipal Properties in the City ...	50,536	45,544	500	4,492	46,315
XVIII.—Dearness Allowance—General— ...	68,05,287	58,16,859	9,88,000	428	49,50,490
XIX.—Grants-in-aid to Public Institutions ...	8,20,215	4,80,668	3,37,280	2,267	4,58,683
XX.—Measures for Civil Defence ...	1,94,237	68,079	66,170	59,988	Cr. 23,189
XXI.—Revision of Grades, Service Conditions etc. of the Staff ...	52,877	...	...	52,877	...
Post-War Reconstruction Fund ...	...	...	...	...	17,00,000
Total ...	7,05,37,358	5,66,12,674	86,62,459	52,62,225	5,11,92,330

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 4A.

Statement showing the actuals for Measures for Civil Defence as Compared with the Final Grants for 1947-1948.

Item	Particulars.	Final grants sanctioned for expenditure during 1947-48.	Actuals for 1947-48.	Final grants Compared with the Actuals		Actuals up to 31-3-47.
				Amount required to be renewed during 1948-49.	Savings.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	ARTICLE I	Rs.	Rs.	Rs.	Rs.	Rs.
	(*Government will bear the entire cost of the following items*).					
(*i*)	Staff appointed to work out the Water Rationing Scheme ...	...	...			15,922
(*ii*)	(1) Provision of static tanks for fire-fighting purposes ...		Cr. 1,046			3,15,027
	(2) Maintenance and upkeep of static tanks ...	...	...			615
	(3) Compensation for lands requisitioned for static tanks ...		180			49,917
	(4) Raising the existing barbed wire fencing etc., of static tanks					8,356
	(5) Sign boards for Static Tanks ...					5,197
	Total ...	...	Cr. 866			3,79,112
(*iii*)	*Organisation of Rest Camps.*					
	Under City Engineer.					
	(1) Construction of blast and splinter proof walls ...		...			16,798
	Under Director of Rest Camps.					
	(2) Cost of Rest Camps ...					15,602
	Total ...		...			32,400
(*iv*)	AUXILIARY FIRE SERVICE					
	Under City Engineer.					
	(1) Construction of blast and splinter proof walls ...		...			40,911
	(2) Providing electric lights, etc., at Byculla Terrace ...		...			4
	(3) Colour washing at Byculla Terrace ...		...			1
	(4) Asbestos sheets for A.R.P. sheds ...					730
	(5) Structural protection to the buildings requisitioned for A.F.S. personnel at (1) Shivaji Park; (2) Chawl No. 7, Tejukaya Estate; (3) Byculla Terrace, Haines Road; (4) Tardeo Mansion No. II, Chakti Wadi and (5) Boyce House, Gowalia Tank ...		...			799
	(6) Providing a stand-post hydrant at Chaktiwadi, Tardeo ...		...			165
	(7) Providing bamboo matting to A.F.S. shed at Memonwada and Naigaum ...					58,993
	(8) Water fittings at A.F.S. garrages at Shivaji Park, Naigaum and Byculla. ...					1,661
	(9) Construction of a Motor garrage at Colaba Market ...					793
	(9) *a* Construction of a temporary structure to accomodate vehicles of A.F.S. ...					5,813
	Under O. C. F. S.					
	(10) Cost on account of recurring charges of Auxiliary Fire Service staff ...		626			2,50,524
	(11) Cost of separate Telephone line installed at the Central Fire Brigade Station at Byculla at an estimated cost of Rs. 192 (Moiety of cost provided here) ...					96
	(12) Cost of deputation of the O. C. F. S. in connection with his visit to Calcutta ...	...				449
	(13) Rent of Vaziir Blg. ...					15,351
	(15) Compeusation for occupatian of Byculla Terrace ...		...			6,111
	(16) Cost in connection with compensation payable for premises requisitioned for accommodating fire appliances and crews					Cr. 44
	Total ...	...	626			3,82,357
(*v*)	Rescue Service ...	...	...			...
(*vi*)	Provision of extra beds at hospitals (including K.E.M. Hospital) ...	...	...			688
(*vii*)	Supply and distribution of sand bags ...		...			50,861
(*viii*)	Survey for the purpose of giving advice to owners regarding protection of private buildings ...	...	...			1,36,545
(*ix*)	Fire Brigade equipment ...	...	...			C .1,284
(*x*)	Provision of aids to movement in darkened streets ...		...			3,02,451
(*xi*)	Civilian war deaths organization and recording and notification of casualties ...	...	...			...
(*xii*)	First Aid Posts—					
	(1) Construction of blast and splinter proof walls ...		...			5,763
	(2) First Aid Post for animals and store-room for A.R.P. equipments at Bandra Slaughter House ...	...				...
	(3) Construction of a temporary garage for the First Aid Mobile post at the K.E.M. Hospitals ...					2,273
	(4) Sand bags walling for first-aid posts on behalf of Government					...
	Total ...					8,036
	Article I—Carried over ...	...	Cr. 240			13,07,088

Appendix No. 4A—(*Continued.*)

Measures for Civil Defence.

Item	Particulars.	Final grants sanctioned for expenditure during 1947-48.	Actuals for 1947-48	Final Grants Compared with the Actuals.		Actuals up-to 31-3-47
				Amount required to be renewed in 1948-49	Savings	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		Rs.	Rs.	Rs.	Rs.	Rs.
	Brought forward ...	...	Cr. 240			13,07,088
(*xiii*)	Ambulance vehicles, etc. (convoys) ...	...	...		...	...
(*xiv*)	Evacuation ...	...	...		...	22,638
(*xv*)	Miscellaneous works carried out on behalf of Government—					
	(*a*) Protection of Warden's Post, distribution of materials, such as A.R.P. Hints, Boards, etc. ...	...	...			17,152
	(*b*) Construction of blast and splinter proof walls at C.I.T. Quarters occupied by Police ...	...	...			8,844
	(*c*) Cost on account of running trolley placed at the disposal of District Superintendent of Police, Bombay Suburban District in connection with safeguarding the City's water supply ...	...	...			2,907
	(d) Providing Fire breaks	...	...			352
	(*e*) Providing feeding, etc., arrangements to the destitutes from Bengal. ...	...	...	...	...	15,402
	(*f*) Supply of information regarding deaths in the City to the Controller of Rationing ...	...	1,273	...	...	3,996
	(*g*) Dismantling A.R.P. barricade ...	...	Cr. 675	...	...	...
	Total ...	...	598	...	..	48,653
(*xvi*)	Fire Watching Organisation ...		...	...	...	2,11,494
	Total—Article I ...	...	358	...	...	15,89,873
	ARTICLE II					
	(*The Municipality will bear the entire cost of the following items*)					
(*i*)	Protection of Municipal property, except water supply, sewerage and fire stations "Municipal Property" includes buildings of which the Municipality is the landlord in so far as it is liable qua landlord—					
	(1) Construction of blast and splinter proof walls ...	8,000	Cr. 1,698	...	9,698	3,35,412
	(2) Providing silt trenches at Victoria Gardens ...	...	...	...	...	266
	(3) Extra-allowance to peons in City Engineer's Department	...	...	...	...	48
	(4) Cost of staff appointed in Chief Accountant's Department	...	...	...		16,450
	(5) Cost of a Head Clerk's post in Architectural Branch ...	...	...	...	...	1,628
	(6) A.R.P. Measures at Municipal Schools ...	...	...	...	...	1,905
	(7) Construction of baffle walls, etc., for Municipal buildings let to tenants and Municipal Markets, Schools, etc. ...	...	...	...	...	
	(8) War Risk Insurance in respect of Municipal Plant and Machinery ...	...	...	...	...	4 1,09,077
	(9) Telephone Attendants at Ward Offices ...	...	...	...	...	26,495
	(10) Special pay to Temporary Assistant Engineer, II Grade (A.R.P.) ...	...	...	...	...	1,129
	(11) Labour on A.R.P. works ...	...	...	...	...	77,353
	(12) Clothing for 25 drivers provided under labour above ...	...	...	...	...	...
	(13) Contingencies (Printing, Stationery, etc.) ...	...	...	...	...	133
	(14) Special pay to Telephone Operator at M.C's. Office ...	...	...	...	...	...
	(15) War Injuries Insurance in respect of Municipal employees	...	...		...	7,025
	(16) Overtime allowance to H.E's. staff for attending A.R.P. rallies. ...	...	...	...	...	...
	Cost of a Special Clerk under A.E. Arch. ...	...	...	...	...	4,017
	Total ...	8,000	Cr. 1,698	...	9,698	5,80,942
(*ii*)	Materials including plant equipment (excluding fire brigade equipment) which will be of use to the Municipality after the termination of the war, whether or not it costs more to purchase at the present time—					
	(1) Protection of sewerage system—					
	(*a*) Materials ...	400	...	...	400	30,908
	(*b*) Purchase of coal ...	...	...	...	...	...
	(*c*) Machinery for Compressor Stations ...	...	...	...	...	20
	(2) Protection of City's Water Supply (out of the Revised Estimates of Rs. 5,03,915) ...	...		...	...	10,938
	(3) Transport scheme ...	...	...	...	...	14,266
	(4) Purchase of Safe for keeping documents ...	...	...	...	...	1,705
	(5) Purchase of materials from Messrs. Shivlal & Chimanlal...	...	...	...	...	6,444
	(6) Purchase of typewriter for Hydraulic Engineer's Department ...	...	...	...	...	575
	(7) Purchase of two pieces of hose pipes for petrol pump ...	...	...	...	...	2,230
	(8) Purchase of empty drums for storing petrol ...	...	...	...	...	800
	(9) Purchase of 3 H.P. Motors for Dadar Purification Works ...	...	...	...	...	2,145
	(10) Supply of petrol tanks and mounting them on chassis ...	...	...	...	...	7,050
	(11) A.R.P. requirements at K.E.M. Hospital ...	...	...	...	...	19,306
	(12) Purchase of 100 cycles }	...	...	...	...	Cr. 27,663
	(13) Purchase of additional 100 cycles and stirrup pumps }	...	...	...	...	Cr. 2,959
	(14) Cost of 800 hobblers for securing animals ...	...	...	...	...	...
	(15) Purchase of crowbars for Victoria Gardens ...	...	...	...	...	201
	(16) Scantling for lions' cages at Victoria Gardens ...	...	...	...	..	...
	Total ...	400	...	...	400	65,966
	Article II—Carried over ...	8,400	Cr. 1,698	...	10,098	6,46,908
	Carried over ...	...	358	...	...	15,89,873

Appendix No. 4A—(*Continued.*)

Measures for Civil Defence.

Item	Particulars.	Final grants sanctioned for expenditure during 1947-48.	Actuals for 1947-48.	Final grants compared with the Actuals. Amount required to be renewed in 1948-49.	Savings.	Actuals up to 31-3-1947.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Brought forward ...	Rs. ...	Rs. 358	Rs. ...	Rs. ...	Rs. 15,89,873
	Article II—Brought forward ...	8,400	*Cr.* 1,698	...	10,098	6,46,908
(*iii*)	Equipment of Municipal personnel, *e.g.*, steel helmets, respirator badges, etc.—					
	Under City Engineer.					
	(1) Steel helmets, replacing damaged badges and embossing Municipal Crest Dye on badges, etc. ...	...	...	...	...	47,771
	Under Hydraulic Engineer.					
	(2) 1,300 Armlets, etc., for the Hydraulic Engineer's staff ...	...	...	...	...	521
	Total ...	...	...	...	...	48,292
(*iv*)	Lighting restrictions ...	...	...	...	...	...
(*v*)	Measures for the protection of Municipal staff, excluding structural protection and rent of buildings requisitioned for the period of the war in connection with Municipal purposes, *e.g.*, for housing Municipal staff ...					
	(1) Conveyance charges to Municipal officers for taking First Aid Classes ...	...	...	...	...	6,210
	(2) Rent payable on account of occupation of Byculla Terrace and Vazir Building. ...		...	...	...	10,352
	(3) Structural protection to quarters occupied by Fire Brigade crews. ...	600	...	...	600	4,846
	(4) Cost of A.R.P. sheds ...	...	...	...	...	506
	(5) Cost of 5,000 A.R.P. s,heds ...	...	...	...	...	Cr.707
	(5*a*) Providing foods, etc. arrangement to Municipal staff of essential service. ...	...	...	...	...	980
	(6) Rent of buildings requisitioned. ...	1,20,295	49,706	60,000	10,589	...
	(7) Staff to Supervise buildings. ...	1,917	1,747	170	...	...
	Total ...	1,22,812	51,453	60,170	11,189	22,187
	Total—Article II ...	1,31,212	49,755	60,170	21,287	7,17,387
	ARTICLE III *(Government and the Municipality will share equally the cost of the following items, excluding vide Article II (ii); the cost of certain plant and equipment which will be of use to the Municipality after the war).*					
(*i*)	Structural protection of water supply—					
	(1) Structural protection of vital structures (out of the revised estimates of Rs. 5,03,915) ...		...	...	...	49,283
	(2) Recurring charges (out of the revised estimates of Rs. 5,03,915)		...	...	...	1,02,911
	(3) Extra allowance to employees of water works for A.R.P. work outside office hours during March and April 1942 ...	...	...	...	...	27
	Total ...		...	...	...	1,52,221
(*ii*)	Structural protection of sewerage—					
	(1) Protective measures at pumping, etc., stations (construction of blast and splinter proof walls out of the estimates of Rs. 5,68,560) ...	2,100	...	...	2,100	27,884
	(2) Bye-pass connections (out of the estimates of Rs. 5,68,560)	...	...	...		3,903
	(3) Establishment cost on account of Telephone Attendants at Municipal Workshops ...	...	...	...	...	1,308
	Total ...	2,100	...	...	2,100	33,095
(*iii*)	Structural protection of Fire Brigade Stations—					
	(1) Protective works against blasts and splinters ...	2,100	*Cr.* 123	...	2,223	21,983
	(2) Cost of a separate telephone exchange line installed at Central Fire Brigade Station at a cost of Rs. 192 (moiety of cost provided here) ...	...	...	...	...	750
	Total ...	2,100	*Cr.* 123	...	2,223	22,733
(*iv*)	Structural protection and rent of buildings requisitioned for the period of the war in connection with Municipal purposes, *e.g.*, for housing Municipal staff—					
	(1) The scheme of protection of City's water supply (out of the revised estimates of Rs. 5,03,915) ...	...	...	...	...	28,914
	(2) Construction of blast and splinter proof walls ...	8,100	...	...	8,100	74,077
	(3) Rent of premises requisitioned for O.C.F.S. ...	2,800	726	...	2,074	14,366
	(4) Purchase of food-grains for Labour Camps in case of emergency ...	...	...	...	...	1,608
	(5) Rent of buildings, etc., requisitioned ...	1,08,000	79,122	12,000	16,878	7,08,450
	(6) Rent of telephone at Labour Camps and at the residences of Municipal Officials ...	...	...	...	...	9,427
	(7) Staff to supervise the buildings requisitioned ...	150	100	...	50	2,940
	(8) Cost on account of occupation of 3 stations at (1) Shivaji Park; (2) Supari Baug and (3) Tardeo by A.F.S. and B.F.B. staff and equipment, etc.	2,800	...	...	2,800	24,072
	(9) Repairs to Byculla Terrace ...	...	...	...	...	1,492
	Total ...	1,21,850	79,948	12,000	29,902	8,65,346
	Article III—Carried over ...	1,26,050	79,825	12,000	34,225	10,73,395
	Carried over ...	1,31,212	50,112	60,170	21 288	23,07,260

Appendix No. 4A—(*Concluded.*)

Measures for Civil Defence.

Item	Particulars.	Final grants sanctioned for expenditure during 1947-48.	Actuals for 1947-48.	Final grants compared with the Actuals		Actuals up to 31-3-47.
				Amount required to be renewed in 1948-49.	Savings.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Brought forward ...	Rs. 1,31,212	Rs. 50,112	Rs. 60,170	Rs. 21,288	Rs. 23,07,260
	Article III—Brought forward ...	1,26,050	79,825	12,000	34,225	10,73,395
(*v*)	Water Rationing Scheme, excluding (*vide* I(*i*) the cost of the staff appointed to work out the scheme) ...	...	*Cr.* 42,884	...	42,884	1,16,545
(*vi*)	Camouflage schemes for water supply undertakings ...	...	...	...	...	...
(*vii*)	Opening and sinking of wells—					
	Under Health Officer.					
	(1) Examination of samples and treatment of well water ...	...	...	...	...	86,326
	Under Hydraulic Engineer.					
	(2) Opening and sinking tube wells as per details below—					
	(*a*) Construction of pump cabins ...	...	...	...	...	9,518
	(*b*) Purchase of 10 pumping sets (Rs. 5,750) and construction of 10 storage tanks (Rs. 27,000) ...	...		...		27,000
	(*c*) Provision of electrical service connections ...	...	...	...	...	2,376
	(*d*) Opening of existing closed wells including establishment ...			...		4,56,226
	(*e*) Sinking tube wells including establishment ...	...	...	...	...	34,848
	(*f*) Dewatering of wells including establishment ...	...		...	...	33,498
	(*g*) Provision of sign boards for location of wells ...	...	...	...	...	9,375
	(*h*) Excavating of additional 60 closed wells in the City ...	...	...	...	...	1,36,413
	(*i*) Work of removal of surplus debris from reopened wells ...	...	...	...	...	12,768
	Total ...	...	...	...	...	8,08,348
(*viii*)	Prevention of spread of epidemics arising out of damage by air raids to sanitary services ...	...	...	...	...	...
(*ix*)	Corpse disposal ...	...	...	...	...	7,512
(*x*) (*xi*) (*xii*)	Clearance of debris ... Repairs of slightly damaged buildings ... Extensive demolitions and demolitions involving the use of explosives.	...	...	...	...	178
	Total—Article III ...	1,26,050	36,941	12,000	77,109	20,05,978
	Total ...	2,57,262	87,053	72,170	98,397	43,13,238

SUMMARY

	Final Grants		Actuals		Balance		Municipality.	
	Government	Municipality	Government	Municipality	Government	Municipality	Amount required to be renewed in 1948-49	Savings.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Article I	...	...	358	...	...	...	...	...
Article II	...	1,31,212	...	49,755	...	81,457	60,170	21,287
Article III	63,025	63,025	18,617	18,324	44,408	44,701	6,000	38,701
Total ...	63,025	1,94,237	18,975	68,079	44,408	1,26,158	66,170	59,988

J K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

APPENDIX No. 4-B.

Statement showing details of Expenditure incurred on New Works during the year ending 31st March 1948.

		Provision during the year	Expenditure during the year.	Total Expenditure upto 31-3-48.
		Rs.	Rs.	Rs.
	I.—General Supervision, Collection of Revenue, etc.			
1.	Providing permanent asbestos cement sheet weather sheds to the windows of Municipal Commissioner's bunglow at Carmichael Road.	1,303	1,302	1,302
2.	Providing a ceiling fan in the tiffin room at the Hed Office ..	315	..	..
3.	Providing hand wash basins and taps in the staff W. C. Blocks east wing at Municipal Head Office.	1,338	1,106	1,106
4.	Providing and fixing X. P. M. over the railings at the F Ward office of A. & C.'s Department, at Elphinstone Road, Parel.	713	...	...
5.	Providing a collapsible door at the ward office of A & C.'s Department at Elphinstone Road, Parel.	412	..	..
6.	Providing new lights in the compound of Central Stores and in the Godown.	500	347	347
7.	Construction of a shed with a nahani for housing the bigari at the Central Stores.	4,534	..	..
8.	Providing an additional room in the servants' quarters for the chawkidar at Municipal Commissioner's Burglow.	417	312	312
9.	Construction of a small C. I. shed for labourer for Stores Department at Bellasis Road Pipe Depot.	700	589	589
10.	Construction of three storage tanks for storing kerosene oil	6,521	..	..
11.	Provision of a washing place and a nahani in the quarters of the Stores Attendant at DeLisle Road.	636	...	...
12.	Construction of a tiffin room for female employees in Municipal Head Office.	9,308	6,424	6,424
13.	Providing a wash hand basin with a tap in Municipal Commissioner's room at Head Office.	221	..	..
14.	Providing M.S. bars over the blast wall in the verandah of A. & C.'s Department.	906	..	..
15.	Providing hand wash basin with tap for the use of staff of M. C. A.'s Department.	185	..	..
16.	Construction of a shed on the Chowpatty sands for the use of lady bathers	1,929	917	917
17.	Work of improving the water supply at the Building known as Byculla Terrace, a Municipal acquired property.	1,850	..	..
18.	Construction of a Mazagine floor in the A. E.'s (design) office ..	4,370	..	..
19.	Additions and alterations to the tiffin room in the Municipal Head Office Building.	1,430	..	..
	Total I.—General Supervision, etc. ..	37,588	10,997	10,997
	II.—Water Works.			
20.	Concreting the level crossing in the Salesette Division	7,397	6,088	6,088
21.	Provision of stand post hydrants at Powai..	5,566	5,310	5,310
22.	Providing electric lights in the quarters of sluicemen at Bhandarwada Hill and Malabar Hill Reservoirs.	2,547	665	665
23.	Constructing road side boxes for sluice valve keys in the various parts of the City.	2,359	1,266	1,266
24.	Providing manhole chambers over Pitometer gauging points ..	4,871	1,672	1,672
25.	Providing scour valves on Trunk mains outside City	4002	2,207	2,207
26.	Construction of masonry tank at Tansa	425	40	40
27.	Provision of additional power load at Malabar Hill Reservoir ..	3.725	3,725	3,725
28.	Providing indicating boards for under ground hydrants in the City ..	1.604	1,386	1,386
29.	Providing a masonry drain for scour at Malabar Hill Reservoir ..	2,390	1,520	1,520
30.	Constructing a single unit quarter for Sweeper at Ghatkopar ..	1.000	518	518
31.	Elevated tank at Bhandarwada Hill Reservoir—Provision of lighting Conductors.	1,260	1,200	1,200
32.	Providing Air Valves on 2 -72" Tansa mains and 48" Vehar Main .	6.480	..	..
33.	Construction of new chowky at Clerk Road for operating 24" sluice valves.	4,500	2,216	2,216
	Total, II.—Water Works ..	48,126	27,813	27,813
	Carried forward ...	85,714	38,810	38,810

APPENDIX No. 4-B—*Contd.*

	Provision during the year.	Expenditure during the year.	Tota Expenditure up to 31-3-1948.
Brought over ..	85,714	Rs. 38,810	Rs. 38,810
V.—Public Health Department.			
34. Raising the boundary walls including reconstructing the wall on the north and south sides of Health Camp at Sukhlaji Street.	2,952	..	..
35. Providing a new R.C.C. storage tank of 400 gallons in the compound of Tank Bunder Hindu Cemetery.	1,088	977	977
36. Providing a cement concrete passage in the compound of Bhoiwada Hindu Cemetery, Parel.	1,522	..	..
37. Constructing a fire wood depot at Haines Road Hindu Cemetery No. 63.	6,197	..	..
38. Providing and fixing W. I. angle iron fencing with W. I. angle iron gate in lieu of the existing teakwood trellies work infront of Foras Road Dharmashala.	645	..	..
39. Substituting 5 incandescent oil lamps by electric lamps 4 at Dharavi (2 at Koliwada and 2 near 100 rooms S. P. Sheds) and 1 at Wadala Village.	2,500	..	..
40. Improving water entrance at the Tank Bunder Hindu Cemetery by B.P.T.	450	450	450
41. Providing new direct water connection for existing washing place at 6 District Office.	323	..	..
42. Constructing a playground at Welfare Centre at Mahalaxmi Chawls ..	5,523	..	..
43. Filling in the land of the proposed Budhist Cemetery	2,223	..	..
44. Providing a foot-path and a gate at Cemetery No. 85(Ashok Cemetery) Haines Road.	86	..	..
45. Providing a new washing place near the cremation ground in the compound of Tank Bunder Hindu Cemetery.	528	..	..
46. Providing expanded metal to the upper portion of the rat incineration at Haffkine Institute.	176	..	..
47. Provision of one W.C. and conversion of two privies into W.C.'s at Haines Road Hindu Cemetery.	1,932	67	67
48. Construdtion of a garage for a mobile van at Palton Road Stables of Propaganda Branch.	450	177	177
49. Extension of existing Lethal Chamber at Mahalaxmi fuse siding ..	214	..	..
50. Providing additional 2" water connection for the new Dhobi Ghat at Mahalaxmi.	566	..	..
51. Construction of a compound wall along the eastern Bounday for Budhist Cemetery.	1,757	..	..
52. Constructing 2 washing places at Mahalaxmi Dhobiwada	4,432	3	3
53. Providing 6 collapsible doors with expanded metal at New Dhobiwada Mahalaxmi.	4,180	..	..
54. Providing a washing place for the proposed Mahomedan Cemetery at the junction of T. P. line Road and Haines Road.	448	..	..
55. Providing a footpath and a gate at Cemetery No. 85 (Ashok Cemetery) at Haines Road.	119	..	..
56. Constructing a shed with Mangalore tiled roof for stocking firewood at the Bhoiwada Hindu Cemetery No. 46.	4,073	670	670
57. Construction of a wall to the North of Arthur Road Jail near drying ground for Dhobies.	1,184	..	..
58. Replacing eight incandescent oil lamps at Sion Cemetery	960	..	..
59. Providing a gas lamp in the mourners' shed at Tank Bunder Hindu Cemetery.	74	..	..
60. Construction of a roof over two pyres at Sion Hindu Cemtery ..	2,528	..	..
61. Providing four electric lights at Sion Hindu Cemetery	3,000	..	..
Total, V.—Public Health Department ..	50,130	2,344	2,344
VI.—Medical Relief and Education.			
62. Providing and fixing barbed wire fencing around the open space between clinic and Motor Garage of the V. D. Clinic and Maternity Home at Bellasis Road.	464	..	—
63. Providing additional storage tank of 800 gallons capacity and constructing a washing place for the Dhobies at Cadell Road Maternity Home.	3,977	..	..
64. Constructing a Chowkey for the Ramoshi at Turner Sanatorium, Bhoiwada, Parel.	462	441	441
65. Providing and fixing expanded metal in the open gaps all round over the trellis work of the Dhobies' drying shed at Turner Sanatorium, Bhoiwada.	537	353	353
Total, VI.—Medical Relief and Education Carried forward ..	5,440	794	794
Carried forward ...	1,35844	41,154	41,154

APPENDIX No. 4-B—*Contd.*

		Provision during the year.	Expenditure during the year.	Total Expenditure upto 31-3-48.
		Rs.	Rs.	Rs.
	Brought over ..	1,35,844	41,154	41,154
	VI. Medical Relief & Education—*contd.* Brought over ..	5,440	794	794
66.	Constructing an additional washing place and widening the existing washing place for Dhobies in the compound of Turner Sanatorium, Bhoiwada.	18,08	..	..
67.	Providing and fixing permanent weather sheds to the north side windows of the Matron's quarters at Turner Sanatorium, Bhoiwada.	145	3	3
68.	Constructing a brick masonry compound wall in lieu of the existing teak-wood pale fencing at Foras Road Dispensary.	617	542	542
69.	Construction of W. C. and a washing place for the Nurses' quarters on the terrace of Eye Hospital at Kamathipura.	1,395	..	..
70.	Raising the existing compound wall railing of Eye Hospital at Kamathipura.	662	502	502
71.	Providing and fixing new M.S. plate storage tank for W.C. on wooden frame at Foras Road Dispensary.	485	57	57
72.	Providing additional stosge tank at Victoria Road Maternity Home ..	1,492	..	..
73.	Providing and fixing wash basin in the examination room at No. 6 District Dispensary.	617	..	..
74.	Providing white glazed tiles to the flooring of the bath room of eye Hospital at Kamathipura.	269	245	245
75.	Provision of water tap and a door for a new garden at Bellasis Road Maternity Home.	566	101	101
76.	Providing iron bar door to Khetwadi Maternity Home	872	..	..
77.	Constructing one watchman's chowkey at the Dean's Bunglow ..	435	397	397
78.	Constructing a watchman's cabin for the lady students' Hostel ..	108	51	51
79.	Providing R.C.C. storage tank etc., on the terrace of the old servant's quarters at G. S. M. College.	962	5	5
80.	Drainage arrangement for under ground water hydrants inlady students' quarter, Dean's and Assistant Dean's quarters.	1,715	38	38
81.	Construction of a dark room etc., at anti-T.B. Dispensary at Foras Road.	1,610	501	501
82.	Providing a door at Eye Hospital at Kamathipura	50	..	..
83.	Providing a Badmington Court at Arthur Road Hospital	15	..	..
84.	Construction of 2 temporary small pox wards at Arthur Road Hospital.	9,717	3,058	3,058
85.	Improving water supply at Cadell Road, Maternity Homes ..	540	..	..
86.	Lowering $\frac{1}{2}$" pipe at Turner Sanatorium	215	..	..
87.	Transferring $\frac{1}{2}$" connection at K. E. M. Hospital	198	..	..
88.	Making additions, etc., behind V. D. Clinic Building	13,202	..	..
89.	Providing R.C.C. etc., at Imamwada Maternity Home	110	..	..
90.	Providing two storage tanks at District No. 3 Dispensary ..	929	..	..
91.	Providing dye arrangements to water works at K. E. M. Hospital ..	1,454	..	..
92.	Providing additional room at G. S. M. College	1,498	189	189
93.	Providing drainage arrangement at Victoria Road Maternity Home ..	640	..	..
94.	Providing animal House for dogs at G. S. M. College	402	..	..
95.	Levelling and Rolling the open space and laying 12" Hume pipet drains at the Arthur Road Hospital	179	139	139
96.	Constructing a double bath room for the ward Attendents' chawl at the Maratha Hospital	1,337	..	..
97.	Repairs to track, etc., at Cadell Road Maternity Home	11	11	11
98.	Carrying out the work of $1\frac{3}{4}$" connections, etc.	45	45	45
99.	Converting the existing store room in the Post-Mortem room at Nair Hospital.	16,112	8,139	8,139
100.	Convering existing servants' quarters in the Kitchen House at Nair Hospital.	9,417	4,587	4,587
101.	Providing and fixing water taps, etc., at the R. P. T. B. Hospital ..	1,020	..	..
	Total, VI.—Medical Relief and Education ..	76,289	19,404	19,404
	Carried forward ..	2,12,133	60,558	60,558

APPENDIX No. 4-B—*Contd.*

		provision during the year.	Expenditure during the year.	Total Expenditure upto 31-3-48.
	Brought over ..	Rs. 2,12,133	Rs. 60,558	Rs. 60,558
	VII.—Street Cleansing and Conservancy, etc.			
102.	Constructing W.C.s and bathing cubicles at the Cochin Street Municipal Chawl.	15,901	..	..
103.	Improving the water supply of Palton Road Stables	625	..	..
104.	Providing and fixing W.C. storage tank in Chawl No. 3 at Halalkhore Chawl, Dadar Main Road.	1,486	..	..
105.	Providing C.I. sheet shed for electric motor of the incinerator at Love Grove Pumping Station.	1,210	..	..
106.	Providing a catch pit with sluice valves forthe night soil depot at Sion.	1,867	..	..
107.	Providing ½" water connection at Haines Road Reclamation Ground ..	700	..	..
108.	Providing cement concrete Pavement in the passage, etc., at Jail Road North behind Chawl No. 64.	1,755	638	638
109.	Provision of Electric lights in the two rooms used for welfare activities at Chembur Labour Camp.	3,241	2,015	2,015
110.	Providing cement concrete pavement around the washing places and bath rooms at the Labour Camp at Chembur.	41	..	..
111.	Renewing the wooden chowky for the Railway staff at Mahalaxmi siding.	2,168	1,668	1,668
112.	Extending the existing C.C. pavement etc., at Mang Garudi Camp at Dharavi.	4,550	3,345	3,345
113.	Constructing four bath-rooms, one washing place, c.c. pavement at Bapty Road Chawls.	436	23	23
114.	Surface dressing C & E wards west stable at Grant Road	1,674	..	..
115.	Providing two storage tanks raised at Mahalaxmi Siding	8,028	7,525	7,525
116.	Constructing the road and area of stables at Dadar Main Road ..	3,000	..	..
117.	Consolidating the road way for the constructed to the dumping ground at Haines Road.	5,137	360	360
118.	Construction of a bud wall and removing the pitching of the storm water drain on south side of Dadar Main Road.	2,514	1,682	1,682
119.	Providing C.C. pavement along the washing places and bath-rooms at Labour Camp Chembur.	1,674	825	825
120.	Provision of two electrid points at Prbhadevi refuse yard	725	..	..
121.	Removing old unserviceable wrought iron storeage tank and providing and fixing new ones, providing soil panste at the public latrine at Kalachowky Road.	2,545	..	..
122.	Construction of an experiment incinerator at Gold Mohor Castle Estate.	2,923	1,750	1,750
123.	Provision of hudrants at Prabhadevi Stables Yard	271	..	..
124.	Providing water taps at the three public latrines at Worli Koliwada village	2,569	134	134
125.	Providing a brick masonry chowky for the use of the sweepers at the Public convenience block in t yod Recreation Ground.	1,253	1,170	1,170
126.	Semi grouting the approach road to Sion N. S. Depot	406	..	..
127.	Rec-onstructing a five seated W.C. block in the compound of H. D. Chawls at Sukhalaji Street.	3,234	1,144	1,144
128.	Constructing a temporary shed and providing electric joints, etc., for the Welfare Works etc.,at Chembur.		..	..
129.	Construction of a hopper near Koliwada Railway Station at Sion ..	8,969	..	..
	Total, VII.—Street Cleansing, etc. ..	78,902	22,279	22,279
	VIII.—Roads, Drains and Sewers.			
130.	Resrve for petty Drainage Works	42,195	8,418	8,418
131.	Planting new trees on important roads	2,898	..	..
132.	Construction of permanent manholes over S.W. Drain	7,221	1,173	1,173
133.	Providing concrete steps on sea side at Worli Koliwada Fort, Worli Koliwada.	5,351	..	..
134.	Providing a scraper manhoe at the head of avoid sawer at DeLisle Road	3,159	..	..
	VIII.—Roads, Drains and Sewers Carried forward ..	60,824	9,591	9,591
	Carried forward ..	2,91,035	82,837	82,837

APPENDIX No. 4-B—*Contd.*

		Provision during the year.	Expenditure during the year	Total Expenditure upto 31-3-1948
		Rs.	Rs.	Rs.
	Brought over ..	2,91,035	82,837	2,837
	VIII Roads, Drains & Sewers			
	Brought over ...	60,824	9,591	9,591
135.	Giving overflow connection at Victoria Gardens Road	2,401	1,386	1,386
136.	Providing a brick masoney compound wall and a pale fencing at Stable Street ..	1,383	198	198
137.	Overflow connection at Currey Road	4,170	1,035	1,035
138.	Constructing a water closet urinals for G Ward	2,511	2,121	2,121
139.	Laying 9" sewer at eastern side of Sewree Crushers	100 0	..	..
140.	Additional staircase at Sun Mill Lane	11,533	594	594
141.	Drinking Fountain at Bellasis Road	1,107	..	..
142.	A passage at DeLisle Road	516	..	..
143.	Benches over places of recreation	5,000	1,803	1,803
144.	W. C.s at Sewree Crushers	5,400	..	..
	Total, VIII.—Roads, Drains and Sewers ..	1,05,845	16,728	16,728
	IX.—Mechanical.			
145.	Providing a barbed wire fencing around Sion Pumping Station ..	1,520	..	..
146.	Providing a W.C. at Sion Pumping Station	1,837	..	..
147.	Conversion of one of the bath-rooms into full flushing W.C. for sluicemen's Quarters at Worli.	3,241	..	..
148.	Providing permanent weather sheds in the Compressor Stations and Engineers' quarters at Colaba.	538	412	412
149.	Providing 6" wide verandah with C.I. sheet roof to the servants' quarters at Matunga Pumping Station.	805	694	694
150.	Providing Electric lights at Inspector's Office, Stores, Workshops, Store operator's room and labourer's room at Dadar Purification Works	1,210	15	15
151.	Electric wiring of the staff quareters of Engineer's bunglow, and compound lights at Love Grove Pumping Station.	2,500	..	..
152.	Raising the compound wall at the Back of the Health Department Ne Garage at Municipal Workshops.	1,908	..	..
153.	Connection of a compound wall at the rear of Municipal Workshops ..	5,135	..	..
154.	Providing 3 additional electric lights for general lighting of the surrounding at the staff quarters at Dadar Purification Works.	150	..	
155.	Providing a railing and a platform 2' wide round the Detritus Tank at Dadar Purification Works.	3,906		
156.	Constructing a W.C. a washing place and a small store room 6' ×4' at Jacob Circle Pumping Station.	5,969	7	7
157.	Constructing a store room and verandah at Matunga Pumping Station	787	..	..
158.	Providing an additional W.C. block at Matunga Pumping Station ..	682	..	..
159.	Constructing of C. I. chambers 9" sewer and providing a sluice valve at Poibavdi.	3,505	..	..
160.	Laying 4" gas mains for supplying gas from Dadar Purification Works to Wadala Group Hospitals.	5,739	3,374	3,374
161.	Construction of compound wall at the rear of Municipal Workshops.	3,705	..	..
162.	Constructing a W.C. block for the staff at Pumping Station, Wadala ..	1,686	..	..
	Total, IX.—Mechanical ..	44,823	4,502	4,502
	X.—Buildings, Land Acquisition, etc.			
163.	Construction of 40' road near properties bearing N.S. Nos. 1706-7 part of Cadell Road.	5,389	552	552
164.	Construction of a washing place with ½" water connection at Koli sheds at Mahim Causeway.	1,245	124	124
	Total, X.—Buildings, Land Acquisition, etc. ..	6,634	676	676
	Carried forward ...	4,48,337	1,04,743	1,04,743

APPENDIX No. 4-B—*Contd.*

		provision during the year.	Expenid-ture during the year.	Total Expendi-ture upto. 31-3-48
		Rs.	Rs.	Rs.
	Brought over ...	4,48,337	1,04,743	1,04.743
	XI.—Fire Brigade.			
165.	Providing nahanis inside the room in one of the ground floor chawls occupied by the staff at Fire Brigade Head quarters, Byculla.	946	801	801
166.	Providing nahanis inside rooms of staff quarters at Dadar Fire Station	2,347	..	..
167.	Providing nahanis inside rooms of staff quarters at Sewree Fire Station.	681	..	..
168.	Fixing ceiling fan 23 volt A. C. single phase 50 cycles, etc., in the Fire Brigade Control Room, Byculla.	370	90	90
169.	Providing permanent weather shades over the Watchroom windows and also fixing a new steel bar for hanging bells at Alexandra Fire Brigade Station.	21	..	..
170.	Providing a collapsible gate in the station officer's office at Dadar Fire Station.	332	23	23
171.	Improving water supply for the Firemen's quarters at Mandvi Fire Station.	22	22	22
172.	Proposed extension of the Control room at the Central Fire Brigade Station, Byculla.	2,000	1,952	1,952
173.	Restoration to the former position of the land at Colaba Market and the Souter Street School playground occupied by A. F. S. Services during war and demolition of F. B. shed at Shiwaji Park.	1,564	..	..
	Total, XI.—Fire Brigade ..	8,283	2,888	2,888
	XII.—Licensing, Removal of Encroachments, etc.			
174.	Providing galvanized iron wire fencing with square teak wood standards, etc., near the public conveniences at the reserved area at Matunga (Open Air Market).	1,235	355	355
175.	Proposed extension of the F and G Wards Office at Elphinstone Road, Parel.	4,958	2,085	2,085
176.	Experimental portable booths for squatters	1 149	..	..
177.	Cost of levelling and maping water bound the plot at Panchayatwadi Reserve Area.	63	..	..
	Total, XII.—Licensing, etc. ..	7 ,405	2,440	2,440
	XIII.—Gardens and Open Spaces.			
178.	Making 1½" connection with two stop taps with Morris couplings, etc. at the Tulsi Rampada Gardens.	494	..	..
179.	Fixing of two football posts at the club Back Road (Reynolds) and Reboch Street.	380	18	18
180.	Constructing Brick masonry sand pits at Chowpatty Band Stand (for shifting the gymnasium apparatus).	309	..	..
181.	Provision of pavement with complete drainage arrangement at the site where the operation cage is kept in the infirmary in Victoria Gardens	564		
182.	Constructing an R.C.C. post mortem room with an R.C.C. platform in the infirmary.	1,648	1,493	1,493
183.	Construction of a traffic island in the Victoria Garden opposite the Museum.	3,569	1,679	1,679
184.	Providing angle iron fencing in place of the remaining wooden pale fen c ing at the North East corner of the Victoria Gardens.	2,434	..	..
185.	Providing storage tank in Garden Superintendent's quarters ..	836	126	126
186.	Renewing the existing W.C. blocks attached to the Malis quarters in the Victoria Gardens.	1,403	658	658
187.	Providing 1" connection with Morris complings hydrant at the Open pllt east of plots Nos. 103-104, Park Scheme.	345	..	..
188.	Providing 1" connectiln with underground stop taps with Morriscoup-lings at the recreation ground surrounded by plots Nos. 126 to 135 Dadar-Matunga Estate.	347	..	..
189.	Providing electric lights in the Malis' quarters in Victoria Gardens ..	330	34	34
190.	Providing 8 water hydrants in the extended portion of the garden along Mahim Foreshore.	2,495	..	..
191.	Providing R.C.C. blocks below and around 10 benches at the Esplanade Band stand and 10 benches at 5 plots, Lady Jehangir Road, Dadar.	432	..	..
192.	Providing 6 benches at the recreation ground at Sion	737	282	282
193.	Providing barbed wire fencing around gymnasium apparatus at 5 plots Lady Jehangir Road, Dadar.	694	488	488
194.	Providing 16 wooden benches at Gowalia Tank Maidan	685	136	136
195.	Renewing the electric installation in the Band Stand at Chowpatty ..	530	..	..
196.	Filling up and levelling the playgrounds in the various parts in the City.	1,625	1,625	1,625
197.	Providing 35 S. P. hydrants in the west foot-path of Cruickshank Road.	119	119	119
	Total, XIII.—Gardens and Open Spaces ..	19,976	6,658	6,658
	Carried forward ..	4,84,001	1,16,729	1,16,729

APPENDIX No. 4-B—*Concld.*

		Provision during the year.	Expenditure during the year.	Total Expenditure upto 31-3-48.
	Brought over —	Rs. 4,84,001	Rs. 1,16.729	Rs. ,26,729
	XIV.—Markets and Slaughter Houses.			
198.	Construction of a Chowkey for the use of Fair ground Contractors at Bandra Slaughter House.	7,118	..	..
199.	Cement concreting the passages between the two S. P. Sheds at Bandra Slaughter House.	728	..	..
200.	Constructing two washing places each on the North and the south of the S. P. Sheds at Bandra Slaughter House.	1,361	..	..
201.	Providing precast R.C.C. slabs over the open channel drain on the east side of the sheep pen near the Beef Section at Bandra Slaughter House.	785	732	732
202.	Constructing a washing place on the first floor of the new Butchers' Chawl at the Bandra Slaughter House.	3,081	..	..
203.	Renewing the main entrance gate at Bandra Slaughter House. ..	1,394	..	..
204.	Constructing a longitudinal passage and 2 + wise passages at G. M. C. Market.	4,515	3,126	3,126
205.	Providing a washing place at the temporary open air market on the recreation ground at Khetwadi, 4th Lane.	921	..	..
206.	Renewing existing S.S. pavement and providing surface drainage c.c. channel with C. I. grating in the Head and Liver Section at Erskine Road Market.	6,035	..	..
207.	Providing a W. P. with a waste not tap in the Heads and Liver Section of Erskine Road Market.	548	..	..
208.	Prov.d'ng ½ round c.c. surface drainage in old vegetable section .n Ersk.ne Road Market.	3,990	..	..
209.	Add.t on of a W.C. and ur nal at Fergusson Road Market	2,011	..	..
210.	Providing water connections to (*a*) water trough, (*b*) Grass Shed, (*c*) R. S. V. I. quarters, (*d*) hydrant in Mutton Section at Bandra Slaughter House.	1,930	..	..
211.	Proposed construction at Bandra Slaughter House of— (*a*) Catch pit, (*b*) Storage tank on wooden tr stle and (*c*) Flush ng tank at Bandra Slaughter House.	3,400	..	..
212.	Providing an additional room to the existing Halalkhore Chawl at Bandra Slaughter House.	284	..	..
213.	Joining the existing 3" hydrants by laying 3" water mains with separate branches for providing adequate supply of water. at Bandra Slaughter House	3,775	*Cr.* 146	*Cr.* 146
214.	Paving with set stones the open space in front of the Mutton Section at Bandra Slaughter House.	3,658	366	366
215.	Providing C. I. sheet roof and hanging arrangement in the north corner of the Mutton Section at Bandra Slaughter House.	237	..	..
216.	Constructing a temporary shed for Mango traders at A. C. Market ..	4,202	46	46
217.	Providing a roof cover over the new vegetable squatters area adjoining the Elphinstone Road Market.	1,296	..	..
218.	Providing 12 sky lights in the roof of the mutton section of Erskine Road Market.	697	..	..
219.	Providing iron bars with looks on wooden structures for hanging Kena in Heads and Liver Section of Erskine Road Market on stalls Nos 67 to 92.	213	176	176
220.	Removing C. I. sheets and providing marble tiles over the roof of the New Mutton Section providing sufficient number of glass tiles in the roof of fish section at Fergusson Road Municipal Market.	897	493	493
221.	Providing a washing 'lace in the Fergusson Road Market for the use of Vegetable Vendors.	491	..	..
222.	Additions and alterations in the Mutton Section of Bandra Slaughter House.	1,394	..	..
223.	Providing 2 additional Mutton Stalls in the Elphinstone Road Market.	441	..	..
224.	Constfucting three additional stalls in the Colaba Market	299	..	..
225.	Paving with C. I. sheets the open spaces at Colaba Market ..	46	..	..
226.	Providing a washing place for squatters at Tulsi Pipe Line, Dadar ..	954	..	..
227.	Consolidating a metalling 15" passage at Tulsi Pipe Line Road fo temporary accommodation of Squatters thereat.	1,154	..	..
	Total, XIV.—Markets and Slaughter Houses ..	57,855	4,793	4,793
	Total—New Works ..	5,41,856	1,21,522	1,21,522

APPENDIX No. 4-C.

Statement showing details of Expenditure on works carried out from the amount transferred out of Post-War Reconstruction Fund.

	Provision during the year.	Expenditure during the year.	Amount required to be renewed in 1948-49.	Savings.
	Rs.	Rs.	Rs.	
II.—Water Works.				
1. Purchase of a Concrete Mixer for Outside City Division.	2,300	..	2,300	
2. Duplication of Chlorine solution delivery lines for the Tansa Mains, etc., at the Central Chlorination Plant at Powai.	6,955	..	6,955	
3. Purchase of two out-board motor engines for boats at the Tansa and the Vihar Lakes	4,332	..	4,332	
4. Purchase of two Rock Drill Machines complete with rods, etc., for the Outside City Division.	5,095		5,095	
5. Purchase of two Hack saw Machines	2,400	2,186	213	
6. Renewing the wheel engines of Motor lorry ..	3857	..	3,857	
7. Purchase of electric blower unit for the Ghatkopar Workshop.	1500	1,086	414	
8. Replacing one Motor lorry	18,000		18,000	
9. Purchase of one additional Motor lorry for the Outside City Division.	12,000	..	12,000	
10. Purchase of Survey Instruments	5,000	..	5,000	
11. Purchase of a stone crushing plant for the Outside City Division.	12,000	..	12,000	
12. Purchase of a portable air compressor plant for the Outside City Division.	1,500	..	1,500	
13. Conversion of one hand operated sluice valve into electrically operated one, etc.	10,000	..	10,000	
Total, II.—Water Works ..	84,939	3,272	81,666	1
VI.—Medical Relief and Education.				
14. Additions and alterations to the premises of the Topiwalla National Medical College such as sanitary arrangements, etc.	..	..	..	
(1) Constructing a sanitary block at 3 water-closets seats and 3 baths, etc., in the T. N. M. College ..	7,533	..	7,533	
(2) Demolishing the existing washing place and constructing a new one, etc., at T. N. M. College ..	482	..	482	
(3) Constructing water-closet of one seat and shifting the waste basin work encloser of teak wood partition in laboratory	1,205	..	1.205	
Total—VI—Medical Relief and Education	9,220	..	9220	
VII.—Street Cleansing and Conservancy, etc.				
15. Purchase of 5 steel wood composite wagons for havlage of Katchra.	20,000	20,000	..	
16. Purchase of 100 trailors, etc., for the Conservancy Branch.	1,24,194	..	1,24,194	
Total, VII.—Street Cleansing and Conservancy, etc. ..	1,44,194	20,000	1,24,194	
VIII.—Roads, Drains and Sewers.				
17. Purchase of 4 lorries	7.457	6,500	957	
18. Purchase of 10 ton Diesel Roller	5,875	..	5,875	
19. Purchase of one petrol driven Concrete mixer ..	6,781	6,781	..	
20. Purchase of 2 Asphalt Boilers	5,000	..	5,000	
21. Purchase of 7 Road Rollers	14,390	16,88	12,701	1
22. Improvement in Street Lighting	20,000	..	20,000	
Paving foot-paths—				
(*a*) Mahim Causeway from Mori Road to the Bridge ..	3,081	..	..	3,081
(*b*) Lady Jamshedji Road from Gokhale Road to Mori Road	..	..	..	
(*c*) Mahatma Gandhi Road from Dhobi Talao to Churchgate Street ..	7,544	..	..	7,544
Making or reconstruction of Roads—				
Sion Road west side from King Circle to Road No. 13	5,841	..	..	5,841
Covering open channels in the City—				
Open channel along Haines Road from Mahalaxmi Bridge to culvert ..	14,942	..	..	14,942
Total—VIII—Roads, Drains and Sewers ..	90,911	14,969	44,533	31,409
Total:—Carried over ..	3,29,264	38,241	2,59,613	31,410

APPENDIX No. 4-C—*Contd.*

	Provision during the year.	Expenditure during the year.	Amount required to be renewed in 1948-49.	Savings.
Brought forward ..	Rs. 3,29,264	Rs. 38,241	Rs. 2,59,613	Rs. 31,410
IX.—Mechanical.				
23. Purchase of Chevrolet Ambulance Car, etc., for replacing No. 663 BMX 4002 for removing dead bodies of patients	5,882	4,756	1,125	1
24. Purchase of motor learse for replacing No. 6927 BMX 4004	7,233	6,531	701	1
25. 5 Self centering chucks	500	..	500	..
26. Purchase of one Ford 8V Ambulance for replacing BMX 3513, etc.	5,834	5,432	401	1
27. Purchase of 13 dodge chucks	1,000	..	1,000	..
28. Purchase of one portable electric grinder	400	..	400	..
29. Purchase of one portable electric drilling machine ..	400	..	400	..
30. Purchase of two electrically driven petrol pumps ..	6,200	..	6,200	..
31. Purchase of one spray painting machine	900	..	900	..
32. Hoisting arrangements for sludge feed pump and pump motors for the digestion tank at the Dadar Purification Works.	732	..	732	..
33. Purchase of 1939 Model Dodge De'Luxe Sedan Car for M. C. for replacing No. K 4922 BMW 74347	7,125	6,730	395	..
34. Five seated sedan car for His Worship the Mayor ..	7,660	5,059	2,601	..
35. Purchase of a Car for Special Engineer	7,853	7,737	115	1
36. Purchase of 40 new vehicles for different purposes ..	77,400	..	77,400	..
37. Purchase of 25 lorries for Conservancy Department ..	42,452	40,625	1,827	..
38. Cost of additional 13 layland lorries	30,678	4,334	26,344	..
39. One 5-ton electric hoist in the Sulazer pump room at the Love Grove Pumping Station.	12,000	1,001	10,998	1
40. One 4" double diapligram pump having an electric lift, etc., for the Dadar Purification Works.	3,300	..	3,300	..
41. Purchase of two duplicate sludge return pump ..	2,500	1,089	1,411	..
42. Purchase of 3 military lodge trucks—two for transport of Meat and one for stall-boards	1,200	1,177	22	1
43. Purchase of 2 station wagons and 8 chassis for supplying milk to children.	87,141	63,242	23,899	..
44. Purchase of a car for the use of Pay-masters of Chief Accountant's Department.	10,000	..	10,000	..
Total, IX.—Mechanical ..	3,18,390	1,47,713	1,70,671	6
XI.—Fire Brigade.				
45. Purchase of two motor ambulances	8,845	..	8,845	..
46. Dennis 700/900 motor fire engines double cross seating body.	96,371	96,371	..	..
47. Fire Escape with Fire Engine	13,394	13,394	..	..
48. Fire Escape without Fire Engine	21,355	21,355	..	..
Total, XI.—Fire Brigade ..	1,39,965	1,31,120	8,845	..
XII.—Licensing and Removal of Encroachments, etc.				
49. Purchase of two lorries for removal of encroachments ..	20,000	15,713	4,287	..
50. Purchase of 5 new lorries	37,456	36,216	1,239	1
Total, XII.—Licensing, etc. ..	57,456	51,929	5,526	1
XIV.—Markets and Slaughter Houses.				
51. Construction of a temporary shed for brokers on the site of the demolished shed in A. C. Market.	22,971	..	22,971	..
Total. ..	22,971	..	22,971	..
Total. ..	8,68,046	3,69,003	4,67,626	31,417

Appendix No. 5.

Revenue Account Balance Sheet as at 31st March 1948.

LIABILITIES.	Rs.	a.	p.
ebts—			
Due on Cash Bills Outstanding Account ...	42,647	13	2
,, Cheques payable ...	14,91,177	7	5
,, Stores purchased, Outstanding Accounts ...	*Dr.* 12,899	14	4
,, Outstanding Charges for 1947-48 and previous years ...	86,62,459	0	0
,, Outstanding Charges on account of Interest accrued but not paid (*Vide* details shown in Appendix No. 14-E) ...	9,15,739	0	0
Improvement Schemes—			
Contribution falling due in 1948-49 ...	32,03,436	0	0
Deposits in Cash and Public Securities from Contractors and private parties (*Vide* details shown in Appendix No. 14-C)...	1,84,43,034	6	3
	3,27,45,593	12	6
Public Monuments Maintenance Fund (*vide* details shown in Appendix No. 16-B) ...	1,71,896	12	0
Endowments Fund (*vide* details shown in Appendix No. 16-C)	6,46,348	7	2
	8,18,245	3	2
Stock Account—			
Capital Purchases Account, etc. ...	2,63,966	5	6
Stock Adjustment Account ...	343	8	6
	2,64,309	14	0
Special Funds as at 31st March 1948—			
Fire and Accident Insurance Fund ...	14,00,218	15	9
Net Premia Fund ...	47,44,858	7	4
Provident Fund ...	3,05,64,311	14	4
Fines Fund ...	5,56,117	14	5
Plant and Machinery Depreciation Fund ...	14,38,603	7	3
Renewal of Road Surfaces Fund ...	27,96,504	3	3
Garden Fund ...	1,23,804	0	1
Hospital Fund ...	10,69,576	12	0
Land Sales Reserve Fund ...	5,21,570	5	0
Slum Service Fund ...	1,91,746	6	3
K. E. M. Hospital and G. S. M. College Equipment Fund	1,57,321	7	0
G. S. M. College and K. E. M. Hospital Research Fund ...	1,30,411	10	4
Precast Concrete Slab Pavements Renewal Fund ...	1,03,611	0	0
Fidelity Guarantee Insurance Fund ...	39,977	5	3
Postwar Reconstruction Fund ...	63,63,362	0	0
	5,02,02,035	12	3
Suspense Account—			
Balance of Proceds of Rs. 7½ Crore Loan for taking over the B.E. S.T. Committee ..	1,70,10,942	8	4
Carried Forward ...	10,10,41,127	2	3

ASSETS.	Rs.	a.	p.
Cash at Bank ...	†71,35,263	15	11
Cash in Office ...	1,08,484	5	6
Municipal Loans—Interest warrants Payable Account ...	37,513	15	10
B. I. Trust Loans—Interest warrants Payable Account ...	16,747	8	4
Interest on B. I. Trust Loans Payable Account ...	31,378	15	4
	73,29,388	12	11
Debts—			
Due for Stores sold ...	22,444	14	0
Stock—(*Vide* Appendix No. 14-D)			
Stock (Reserve Stores) ...	14,30,627	13	7
Line Suspense Account ...	75,919	13	3
	15,05,827	10	10
Capital Stores—			
Stock ...	7,62,639	8	6
...	22,68,467	3	4
Plant and Machinery ...	24,45,992	0	4
Advances, Recoverable—(*Vide* Appendix No. 14-A)			
Departmental Works ...	10,48,929	6	11
Private Works ...	4,08,952	10	3
Asphalt Plant Crushers, etc. ...	2,95,613	8	0
Municipal Officers ...	46,945	1	6
Sundries—Miscellaneous—Advances ...	3,30,806	4	3
Municipal Tenderers, Contractors, etc. ...	17,887	1	0
Purchase of Coal ...	4,707	15	0
Purchase of Petrol ...	*Cr.* 89,871	13	0
	20,63,970	1	11
Advances out of Special Funds—(*Vide* Appendix No. 14-B)			
Advances from Plant and Machinery Depreciation Fund for Purchase of Plant and Machinery ...	34,871	5	0
Levelling, Metalling etc., Private Streets ...	7,164	3	2
Advances to lowpaid Municipal employees out of Fines Fund ...	1,974	11	0
Amount advanced from Net Premia Fund for the purchase of Plant and Machinery for the Municipal Printing Press	1,24,004	0	0
Amount advanced from Net Preima fund for Indian Military Hospital at Dharavi ...	3,35,000	0	0
Amount advanced from Net Preima fund for R.P. Tuberculosis Hospital ...	26,427	8	0
Advance for meeting Capital Expenditure from :—			
Municipal Fire and Accident Insurance Fund ...	3,36,927	9	0
Plant and Machinery Depreciation Fund ...	8,68,466	4	0
Renewal of Road Surfaces Fund ...	7,30,214	7	0
Net Premia Fund ...	21,16,653	8	6
Land Sales Reserve Fund	5,21,570	5	0
	51,03,273	12	8
Deposits in Public Securities—			
With the Imperial Bank of India ...	28,09,700	0	0
In Office ...	*37,87,800	0	0
Carried Forward ...	2,58,31,036	13	2

† Includes an amount of Rs. 5,10,942-8-4 being the Cash in respect of B.E.S.T. Committee.

* Includes Rs 1,100 and Rs. 2,200 kept in office treausary as the securities were not received by the party and are credited under following heads.

Deposit Account—
(F) Paper Deposit—1,100
(G) Paper Deposit—2,200

3,300

Appendix No. 5.—(*Concluded.*)

LIABILITIES.	Rs. a. p.	ASSETS.	In securities.	Deposits in Cash, Fixed & Current a/c.	Rs. a. p.
Brought forward ...	10,10,41,127 2 3	Brought forward ...			2,58,31,036 13 2
Surplus Revennue Fund as per Appendix No.2. ...	1,55,49,893 1 3	**Investments—Special Funds.***	Rs. a. p.	Rs. a. p.	
		Municipal Fire and Accident Insurance Fund ...	10,63,130 10 0	160 12 9	10,63,291 6 9
		Net Premia, etc., on different Municipal Loans ...	21,42,615 8 0	157 14 10	21,42,773 6 10
		Provident Fund ...	3,05,64,132 10 9	179 3 7	3,05,64,311 14 4
		Fines Fund ...	5,53,957 12 0	185 7 5	5,54,143 3 5
		Plant and Machinery Depreciation Fund ...	5,28,002 2 0	99 9 1	5,28,101 11 1
		Renewal of Road Surfaces Fund ...	20,66,142 8 0	147 4 3	20,66,289 12 3
		Garden Fund ...	1,23,793 4 0	100 12 1	1,23,894 0 1
		Hospital Fund ...	10,69,191 12 0	335 0 0	10,69,526 12 0
		Slum Service Fund ...	1,91,600 0 0	146 6 3	1,91,746 6 3
		K.E.M. Hospital and G.S.M. College Equipment Fund ...	1,57,195 0 0	126 7 0	1,57,321 7 0
		G.S.M. College and K.E.M. Hospital Research Fund ...	1,30,293 0 0	118 10 4	1,30,411 10
		Precast Concrete Slab Pavements Renewal Fund ...	1,03,400 0 0	211 0 0	1,03,611 0 0
		Fidelity Guarantee Insurance Fund ...	39,800 0 0	177 5 3	39,977 5 3
		PostwarReconstructionFund	...	63,63,362 0 0	63,63,362 0 0
			3,87,33,254 2 9	63,65,507 12 10	4,50,98,761 15 7
		Investment of Surplus moneys in Public Securities.			
		3% Conversion Loan 1946† ...	23,937 5 2	...	23,937 5 2
		Public Monuments Maintenance Fund.			
		(*Vide* Appendix No. 16-B) ...	1,71,804 12 0	92 0 0	1,71,896 12 0
		Endowments Fund.			
		(*Vide* Appendix No. 16-C) ...	6,46,245 0 0	103 7 2	6,46,348 7 2
		Surplus Fund.	Face value.	Cost.	
		4% Govt. Loan 1960-70 ...	63,300 0 0	57,077 10 0	
		4% B.I.T. Debentures ...	16,900 0 0	15,740 12 0	
		3% Municipal Debentures ...	15,05,700 0 0	15,05,700 0 0	
		3½% Municipal Debentures ...	18,700 0 0	18,700 0 0	
		3% Conversion Loan ...	58,87,700 0 0	59,22,936 10 0	
		3¼% UP.EE Bond ...	1,00,000 0 0	99,000 0 0	
			75,92,300 0 0	76,19,155 0 0	
		In cash, fixed and current a/c. Deposits ...		2,06,99,883 14 5	2,83,19,038 14 5
		In fixed Deposit in repect of B.E.S.T. Committee ...			**1,65,00,000 0 0
Total ...	11,65,91,020 3 6	Total ...			11,65,91,020 3 6

* For Face, Purchase and Market Values of each kind of securities held in the Special Funds, please see Appendix No. 16.
† In respect of permanent deposits from lessees.
** In addition to this an amount of Rs. 5,10,942-8-4 is held in Cash with the Imperial Bank of India.

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

APPENDIX No. 6.

Statement of Special Funds for 1947—48.

Municipal Fire and Accident Insurance Fund.*

(Corporation Resolution No. 4572, dated the 4th October 1888, Corporation Resolution No. 1179, dated the 5th October 1914, Corporation Resolution No. 5498, dated the 21st September 1922, Standing Committee Resolution No. 3451, dated the 2nd July 1924, and Corporation Resolution No. 13888, dated the 18th February 1926).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		13,41,428 1 8
Contributions for the year ...		6,199 4 0
Interest realised during the year ...		51,126 10 1
Expenditure incurred during the year ...	599 8 0	
Profit on Conversion ...		2,064 8 0
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5—		
Rs. a. p.		
Amount advanced for financing Capital Expenditure 3,36,927 9 0		
Amount held in Securities and Cash ... 10,63,291 6 9		
	14,00,218 15 9	
Total ...	14,00,818 7 9	14,00,818 7 9

* Accumulations in the fund are allowed to Rs. 16 lakhs under C. R. No. 297 of 8-7-1943.

Worn-out Water Mains Renewal Fund.

(Standing Committee Resolution No. 12512, dated the 22nd February 1893 and Corporation Resolution No. 13406, dated the 9th March 1893).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		1,921 6 9
Interest realised during the year ...		69 10 4
Expenditure incurred during the year ...	1,920 7 0	
Profit on Conversion ...		21 8 0
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 7 ...	92 2 1	
Total ...	2,012 9 1	2,012 9 1

Net Premia Fund.

(Corporation Resolution Nos. 5294, dated the 19th November 1888, No. 9222, dated the 11th December 1893 and No. 5179, dated the 15th November 1906 and Standing Committee Resolution No. 3343, dated the 28th August 1907).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		47,40,504 2 10
Sale of water-marked paper ...		110 14 0
Amount transferred to meet repayment of Loans during the year ...		
Purchase of water-marked paper ...		
Profit on Conversion ...		4,243 6 6
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5—		
Rs. a. p.		
Amount advanced for financing Capital Expenditure 21,16,653 8 6		
Amount advanced for purchase of Plant and Machinery for Municipal Printing Press pending adjustment against the provisions for depreciation in subsequent years ... 1,24,004 0 0		
Amount advanced for Dharavi Hospital ... 3,35,000 0 0		
Amount advanced for R. P. Tuberculosis Hospital... 26,427 8 0		
Amount held in Securities, and Cash ...21,42,773 6 10	*47,44,858 7 4	
Total ...	47,44,858 7 4	47,44,858 7 4

* Out of this, Rs. 19,65,081 belong to Water Works Account.

Fines Fund.

(Corporation Resolution No. 1217 of 12th May 1919).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		5,52,778 15 3
Interest realised during the year ...		20,169 3 11
Net Recoveries of fines during the year....		38,067 11 0
Profit on Conversion of Securities ...		2,821 12 0
Expenditure during the year ...	57,719 11 9	
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5—		
Rs. a. p.		
Advances to Municipal Employees' as sanctioned under C.R. No. 15 of 9-4-42 ... 1,974 11 0		
Amount held in Securities and Cash ... 5,54,143 3 5	5,56,117 14 5	
Total Rs. ...	6,13,837 10 2	6,13,837 10 2

Plant and Machinery Depreciation Fund.

(Corporation Resolution No. 5533 of 1st September 1924).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		16,76,578 8 9
Amount of depreciation on plant and machinery credited to Fund account during the year ...		1,59,675 8 6
Expenditure on purchase of Plant and Machinery for replacement	3,97,650 10 0	
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5— Rs. a. p.		
Amount advanced for financing Capital Expenditure ... 8,68,466 4 0		
Amount advanced for purchase of Plant and Machinery pending adjustment against provisions for depreciation in subsequent years— Rs. a. p.		
Balance on 1-4-1947 ... 42,355 5 0		
Less-Depreciation adjusted during the year ... 7,484 0 0		
34,871 5 0		
Amount advanced for meeting expenditure on levelling, metalling, etc., Private Streets 7,164 3 2		
Amount held in Securities and Cash ... 5,28,101 11 1		
	14,38,603 7 3	
Total ...	18,36,254 1 3	18,36,254 1 3

Renewal of Road Surfaces Fund.

(Corporation Resolution No. 774 of 27th April 1925).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		28,18,006 4 8
Interest realised during the year ...		1,08,277 14 7
Contribution from Revenue during the year.		39,145 0 0
Expenditure incurred during the year. ...	1,73,004 0 0	
Profit on Conversion ..		4,079 0 0
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5—		
Advance for financing Rs. a. p.		
Capital Expenditure ... 7,30,214 7 0		
Amount held in Securities and Cash ... 20,66,289 12 3	27,96,504 3 3	
Total Rs. ...	29,69,508 3 3	29,69,508 3 3

Garden Fund.

(Corporation Resolution No. 912, of 1st May 1930).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		1,17,899 0 0
Recoveries during the year ...		16,501 0 6
Interest realised during the year ...		4,693 13 10
Expenditure during the year ...		
Profit on Conversion ...	15,939 11 3	739 13 0
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5 ...	1,23,894 0 1	
Total Rs. ...	1,39,833 11 4	1,39,833 11 4

Levelling, Metalling, etc., Private Streets Fund.

(Corporation Resolution No. 9427 of 23rd January 1922 and Corporation Resolution No. 11147 of 7th January 1926).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Expenditure incurred out of the amount advanced from Plant and Machinery Depreciation Fund as on 1st April 1947 ...	12,220 10 11	
Expenditure during the year ...		
Recoveries on account of expenditure during the year ...		4,957 1 9
Interest charges during the year ...	410 3 0	509 9 0
Advance from Plant and Machinery Depreciation Fund as at 31st March 1948 ...		7,164 3 2
Total Rs. ...	12,630 13 11	12,630 13 11

Public Monuments Maintenance Fund.

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		1,71,969 14 0
Donations received during the year ...		
Loss on Conversion ...	73 2 0	
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5 ...	1,71,896 12 0	
Total Rs. ...	1,71,969 14 0	1,71,969 14 0

Endowments Fund.

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		4,66,660 10 2
Interest, Bonus, etc., invested during the year and donations received ...		1,79,726 2 0
Loss on Conversion ...	38 5 0	
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5 ...	6,46,348 7 2	
Total Rs. ...	6,46,386 12 2	6,46,386 12 2

APPENDIX No. 6—(*Concluded.*)
Statement of Special Funds 1947-1948.

Hospital Fund.
(Corporation Resolution No. 4[illegible] 15th November 1934).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947		9,46,673 5 3
Donations received during the year		1,16,610 5 3
Expenditure incurred during the year	...	...
Profit on Conversion		6,243 1 6
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5	10,69,526 12 0	
Total	10,69,526 12 0	10,69,526 12 0

Lands Sale[illegible] Fund.
(Corporation Resolution No. [illegible] 10th December 1935).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947		10,39,204 7 5
Amount transferred to make good the deficit in the amount of Rs. 10 lakhs to be credited to Revenue on account of sale proceeds of surplus land during the year	5,48,810 4 5	
Interest realized during the year	...	31,176 2 0
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5:—		
Rs. a. p.		
Advance for financing Capital Expenditure 5,21,570 5 0		
Amount held in securities and Cash. ...		
	5,21,570 5 0	
Total	10,70,380 9 5	10,70,380 9 5

Slum Sa[illegible] Fund.
(Corporation Resolution No. [illegible] 27th February 1936).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947		1,86,117 12 3
Interest realized during the year		5,628 10 0
Expenditure during the year ...	...	
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5	1,91,746 6 3	
Total	1,91,746 6 3	1,91,746 6 3

Post-War Reconstruction Fund
(Corporation Resolution No. [illegible] of 8th May 1944)

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947		72,00,000 0 0
Amount transferred to Revenue during the year	8,36,638 0 0	
Balance on 31st March 1948 as per Balance Sheet Appendix No. 5	63,63,362 0 0	
	72,00,000 0 0	72,00,000 0 0

K. E. M. Hospital and G. S. M. College Equipment Fund.
(Corporation Resolution No. 650 of 3rd December 1935).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		1,46,417 10 6
Contribution from Revenue for the year ...		11,428 13 6
Profit on Conversion ...		671 10 0
Expenditure during the year ...	1,196 11 0	
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5 ...	1,57,321 7 0	
Total ...	1,58,518 2 0	1,58,518 2 0

G. S. M. College and K. E. M. Hospital Research Fund.
(Corporation Resolution No. 176 of 21st June 1937).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		1,06,148 5 2
Subsidy received from the C. P. Government during the year ...		19,000 0 0
Subsidy for reservation of Seats for the Indian Students from South & East Africa. ...		8,000 0 0
Interest realized during the year ...		3,821 8 2
Profit on Conversion ...		496 0 0
Expenditure during the year ...	7,054 3 0	
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5 ...	1,30,411 10 4	
Total ...	1,37,465 13 4	1,37,465 13 4

Precast Concrete Slab Pavements Renewal Fund.
(Corporation Resolution No. 612 of 23rd November 1936).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		84,551 0 0
Contribution from Revenue during the year		19,060 0 0
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5 ...	1,03,611 0 0	
Total ...	1,03,611 0 0	1,03,611 0 0

Fidelity Guarantee Insurance Fund.
(Corporation Resolution No. 1283 of 10th March 1941).

	Dr. Rs. a. p.	Cr. Rs. a. p.
Balance on 1st April 1947 ...		32,836 10 3
Net Recoveries during the year ...		6,057 5 0
Interest realized during the year ...		1,083 6 0
Balance on 31st March 1948 as per Balance Sheet, Appendix No. 5 ...	39,977 5 3	
Total ...	39,977 5 3	39,977 5 3

Provident Fund.
(Corporation Resolution No. 3538, dated the 7th September 1920)

	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Balance on 1st April 1947				
Amount of Subscriber's Accounts—				
(1) Other than Trust and Schools Committee's employees	1,77,25,432 8 0			
Add—Net opening balance of accounts transferred from Trust to Municipal Section ...	42,679 5 0	1,77,68,111 13 0		
(2) Trust employees	23,32,919 3 10			
Deduct—Net opening balance of accounts transferred from Trust to Municipal Section ...	42,679 5 0	22,90,239 14 10		
(3) Schools Committee's Employees	76,33,092 12 0	76,33,092 12 0		
(4) Excess Interest, Profit on sale of Securities, etc.		7,30,403 9 7		2,84,21,848 1 5
Receipts on account of Subscriptions and contribution during 1947-48 in respect of employees other than Trust and School Committee's Employees	25,55,724 8 0			
Deduct—Payments during the year	20,71,765 12 0	4,83,958 12 0		
Interest allowed on Provident Fund accounts of employees other than Trust and Schools Committee's employees	7,77,559 10 0			
Deduct—Payments during the year	23,041 7 0	7,54,518 3 0		12,38,476 15 0
Recoveries on account of Subscriptions and Contributions during 1947-48 in respect of Provident Fund Accounts of Trust Employees	2,48,356 15 0			
Deduct –Payments during the year	2,46,517 9 0	1,839 6 0		
Interest allowed on Provident Fund Accounts of Trust Employees ...	1,00,392 9 0			
Deduct—Payments during the year	2,936 12 0	97,455 13 0		99,295 3 0
Receipts on account of Subscriptions and Contributions during 1947-48, in respect of Provident Fund Accounts of Schools Committee's Employees ...	9,23,417 3 0			
Deduct—Payments	2,97,335 10 0	6,26,081 9 0		
Interest allowed on Provident Fund Accounts of Schools Committee's Employees. ...	3,44,135 6 0			
Deduct—Payments during the year	1,58,767 12 0	1,85,367 10 0		8,11,449 3 0
Net Interest on Provident Fund Investments realized during the year ...		10,96,266 12 11		
Deduct— Interest allowed at 4½ per cent. per annum on Provident Fund Accounts				
(1) Employees other than Trust and Schools Committee's Employees	7,77,559 10 0			
(2) Trust Employees	1,00,392 9 0			
(3) Schools Committee's Employees	3,44,135 6 0	12,22,087 9 0		Dr.1,25,820 12 1
Profit on account of conversion of Securities				1,19,063 4 0
Balance on 31st March 1948 as per Balance Sheet Appendix No. 5			3,05,64,311 14 4	
			3,05,64,311 14 4	3,05,64,311 14 4

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL.
Municipal Commissioner.

Appendix No. 7.

Capital Fund Balance Sheet as at 31st March 1948.

LIABILITIES.	Rs.	ASSETS.	Rs.
Loans Outstanding:—		**Block Account:—**	
Due to Government		**Loan Funds—**	
(*Vide* details as shown in Appendix No. (11) ...	3,34,42,324 7 9	Property and Assets at *original* cost as per Appendix No. 8. Rs. 27,20,07,375 5 9	
Due to Public—		*Deduct*—Subventions granted for the conversion of privies into water closets, shown below 20,01,632 0 0	
(*Vide* details as shown in Appendix No. (11) ...	9,13,73,500 0 0	27,00,05,743 5 9	
Advances from Special Funds—		*Add*—Subventions granted for the conversion of privies into water-closets Rs. 22,97,056 0 0	
(*Vide* details as shown in Appendix No. (11) ...	45,73,832 1 6	*Deduct*—Expenditure written off Rs. 2,95,423 0 0 Rs. 20,01,632 0 0	27,20,07,375 5 9
	12,93,89,656 9 3	**Trust Fund—**	
Trust Fund Account—		Expenditure as per Appendix No. 8	44,51,588 7 10
Donation from Sir Currimbhoy Ebrahim for the construction of a Primary School Building— Balance on 1st April 1947 Rs. 61,166 5 4 Interest „ 929 12 0 — 62,096 1 4		**Worn-out Water Mains Renewal Fund—**	
Donation from Cityzens' Emergency Relief Committee Rs. 12,000 0 0		Expenditure as per Appendix No. 8	9,64,433 13 5
	74,096 1 4	**Municipal Land and Buildings Fund—**	
	74,096 1 4	Land purchased and Buildings erected as per Appendix No. 8	43,03,043 6 8
Worn-out Water Mains Renewal Fund Account ...	92 2 1	Temporary advance to Development Fund	31,77,390 6 0
Surplus—		**Investments—**	
CAPITAL ASSETS AT ORIGINAL COST OVER LIABILITIES:—		**Sinking Fund—**	
Sinking Fund on Loans	3,74,41,875 3 9	As per Appendix No. 10	(a)3,74,41,875 3 9
Loans Redemption Fund	13,32,76,319 1 6	**Loan and Trust Funds—**	
Premia on Loans	3,20,848 11 11	Face Value Rs. / Rate / Book Value Rs.	
Contributions from Special Funds	8,03,171 0 3	3% Municipal Debentures, 14,400 par. 14,400 0 0	
Do. Revenue for Loan Works Establishment	17,869 15 8	3% Conversion Loan 1946 7,48,400 par. 7,48,400 0 0	
Do. G. I. P. Railway	3,74,000 0 0	Do. 2,44,100 101 2,46,541 0 0	
Do. Port Trust	1,56,500 0 0	10,06,900 10,09,341 0 0	
Do. Government for Schools... ...	5,00,000 0 0	In Cash and fixed deposits ... 50,00,284 1 1	* 60,09,625 1 1
Do. Government for widening the Love Grove Bridge	91,234 0 0	**Special Fund—**	
Do. Worn-out Water Mains Renewal Fund	9,64,433 13 5	Worn-out Water Mains Renewal Fund	
Do. Land and Buildings Fund ...	74,80,433 12 8	In Cash	92 2 1
Do. Development Fund	1,34,32,075 7 8		
Do. Revenue towards Bai Jerbai Wadia Hospital for Children ...	7,00,000 0 0		
Do. Trust Fund	44,51,588 7 10		
	20,00,10,349 10 8		
Deduct— Assets written off— Amount as on 31st March 1947 Rs. 10,31,723 12 9 Additions during the year ... „ 87,046 12 0	11,18,770 8 9		
	19,88,91,579 1 11		
Grand Total ...	32,83,55,423 14 7		32,83,55,423 14 7

(*a*) For Face, Purchase and Market Values of Securities held in the Sinking Funds, please see Appendix No. 16-A.
* Inclusive of Rs. 74,096—1—4 on account of Trust Funds.

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 8.

SUMMARY.

	Capital Expenditure upto 31st March 1947.	Expended during the year.	Total Capital Expenditure upto 31st March 1948.
(1) Loans Funds.	Rs.	Rs.	Rs.
I.—General Supervision, Collection of Revenue, etc. ...	20,43,891	4,557	20,48,448
II.—Water Works	10,28,08,016	22,08,669	10,50,16,685
III.—Education, Primary	27,92,459	...	27,92,459
IV.—Education, Secondary	20,392	315	20,707
V.—Public Health Department	16,54,263	17,367	16,71,630
VI.—Medical Relief and Education	83,02,813	2,27,153	85,29,966
VII.—Street Cleansing and Conservancy Road Watering and Halalkhore Service	91,31,580	Cr. 7,191	91,24,389
VIII.—Roads, Drains and Sewers	7,86,96,820	20,38,270	8,07,35,090
IX.—Mechanical	32,99,004	23,826	33,22,830
X.—Buildings, Land Acquisition and Management ...	4,29,35,578	56,401	4,29,91,979
XI.—Fire Brigade	13,56,156	...	13,56,156
XIII—Gardens and Open Spaces	36,76,874	...	36,76,874
XIV.—Markets and Slaughter Houses	82,51,980	891	82,52,871
Carried forward ...	26,49,69,826	45,70,258	26,95,40,084

	Capital Expenditure upto 31st March 1947.	Expended during the year.	Total Capital Expenditure upto 31st March 1948.
Brought forward ...	26,49,69,826	45,70,258	26,95,40,084
XV.—Slum Service	7,77,170	10,828	7,87,998
XVI.—Measures for Civil Defence	1,89,130	Cr. 48,636	1,40,494
XVII.—Greater Bombay	...	36,125	36,125
Discount and other Charges on Loans	6,09,746	2,27,884	8,37,630
Plant and Machinery	6,28,434	36,610	6,65,044
(1) Loan Funds—Total Rs.	26,71,74,306	48,33,069	27,20,07,375
(2) Trust Fund.			
Works executed	43,03,329	1,48,259	44,51,588
(3) Worn out Water Mains Renewal Fund.			
Works executed	9,62,514	1,920	9,64,434
(4) Land and Buildings Fund. ...			
Lands purchased and buildings erected	43,03,044	...	43,03,044
Grand Total ...	27,67,43,193	49,83,248	28,17,26,441

Appendix No. 8.

Block Account showing details of Capital Expenditure upto 31st March 1948.

	Total Capital Expenditure upto 31st March 1947.	Expended during the year	Total Capital Expenditure upto 31st March 1948.
	Rs.	Rs.	Rs.
I.—GENERAL SUPERVISION, COLLECTION OF REVENUE, ETC.			
Works completed (as per Report for 1946-47)	20,43,771	...	20,43,771
Work in progress—			
Construction of Store shed of B.B. Pipe Depot	120	179	299
Extesion of Municipal Head office Buildg.	...	4,378	4,378
Total Works in progress ...	120	4,557	4,677
I.—General Supervision, etc., Total ...	20,43,891	4,557	20,48,448
II.—WATER WORKS, ORDINARY.			
Works completed (as per Report for 1946-47)	4,76,43,930	...	4,76,43,930
Conversion gradually of an adequate number of underground hydrants out of the existing 4,849 underground hydrants into stand-post hydrants to prevent pollution of the water supply of the City ...	65,324	18,780	84,104
Providing water mains with hydrants, etc., in the layout of roads in Scheme No. 57, Sewri-Wadala	1,62,078	36	1,62,114
Extending 18" main in King Edward Road from Haffkine Institute upto junction of Sewri New Road	1,11,546	9,429	1,20,975
Providing the existing Tulsi Pipe Bridge across the Bandra creak ...	1,136	59,893	61,029
Acquisition of Khardi Village with its houses ...	20,050	65	20,115
Works completed during the year 1947-48.	4,80,04,064	88,203	4,80,92,267
Providing 30" tank main from the end of Block No. 1 along Marine Street and 120 feet road opposite Band stand with a cross connection to existing main near Wellington Fountain	1,40,198	...	1,40,198
Reconstructing two portions of the trolly track along the 48' Vehar Main.	25,012	...	25,012
Providing 6" water main Sitafal Wadi off Mount Road and 5" main in bye-lans off Victoria Road (E Ward). ...	5,139	...	5,139
II.—Water Works—Completed during the year—carried fsrward	1,70,349	...	1,70,349
II—Water Works ordinary—carried forward	4,80.04,064	88,203	4,80,92,267

	Capital Expenditure up to 31st March 1947.	Expended during the year.	Total Capital Expenditure upto 31st March 1948.
	Rs.	Rs.	Rs.
II—Water Works—Brought forward ...	4,80,04,064	88,203	4,80,92,267
Works complated during the year—Brought forward	1,70,349	...	1,70,349
Enlarging and extending the existing 3" and 4" W.M. in Musjid Bunder Road from Jackeria Masjid Street to Narsi Natha Street to 6'.	18,653	...	18,653
Providing a 9" water main in Foreshore Road Back Bay Reclamation Area.	34,404	...	34,404
Enlarging the 3" main in Tadwadi to 6" and extending the same ...	8,547	...	8,547
Enlarging and extending the 3" main in Ghoga Street to 4" main in Parsi Bazar Street and enlarging the 3' main in Store Lane.	8,915	...	8,915
Enlarging and extending the 4" water main in Ulster Street (E Ward)	8,027	...	8,027
Providing a water main in Pan Gally (D Ward) ...	8,485	...	8,485
Enlarging the 4" main in Peerkhan 3rd Lane (E Ward) ...	7,517	...	7,517
Laying water main in Bhai Jiwanji Lane (C Ward) ...	6,855	...	6,855
Enlarging and extending the existing 3" main Sindhi Lane to 6" (C Ward).	5,763	...	5,763
Laying a 6" main in Shankar Bari Lane (C Ward) ...	8,348	...	8,348
Replacing the existing 5" main in Israel Moholla by 9' main and Israel Moholla Cross Lane (B Ward)	15,836	...	15,836
Laying a 6' water main in Road No. 56 Dadar-Matunga Estate (F Ward).	4,712	...	4,712
Transferring and providing stand-post hydrants on Parel Government Gate Road and Hospital Avenue Road (extension).	5,994	...	5,994
Providing a water main in 40' Worli Estate Scheme No. 58 (G Ward).	6,479	...	6,479
II—Water Works complated during the year ...	3,18,884	...	3,18,884
II—Water Works complated Works Total ...	4,83,22,948	88,203	4, 4,11,151
Works in progress—			
Providing water mains in the layout of new roads at Back Bay Reclamation Scheme—			
Providing 9" and 6" distributory mains in Block No. 1 ...	62,002	52	62,054
Providing new water mains in Mahim District	1,07,507	8,216	1,15,723
II—Water Works—Works in Progress—Carried over ...	1,69,509	8,268	1,77,777
II—Water Works—Carried over ...	4,83,22,948	88,203	4,84;11,151

Appendix No. 8—*continued.*

	Capital Expenditure up to 31st March 1947.	Expended during the year.	Total Expenditure upto 31st March 1948.
	Rs.	Rs.	Rs.
II—Water Works—Brought forward ...	4,83,22,948	88,203	4,84,11,151
II.—Water Works—Works in Progress—Brought forward ...	1,69,509	8,268	1,77,777
Laying further water mains in some of the roads in Mahim District.	35,735	445	36,180
Providing additional inlets and outlets at Malabar Hill Reservoir...	4,65,667	24,125	4,89,792
Widening and raising the embankment providing a trolley track and laying new 57" steel main wherever necessary in Bandra Creek	2,00,308	6,691	2,06,999
Gunite and cementation work of the dam and the provision of a trolly track along its toe at Tansa	3,73,948	Cr. 101	3,73,847
Providing mains in roads Nos. 1, 2, 3, 4, 8, 27, 27A and 29, Sion Scheme 6	74,466	250	74,716
Providing additional hydrants on 24" Tulsi main from Mori Road to Haines Road...	15,746	5,309	21,055
Providing 12" main in Vithalbhai Patel Road from Charni Road to Cawasji Patel Tank Road	42,586	...	42,586
Laying 9" main in the extension of Worli Sea Face Road and 50' road parallel to it, Worli Scheme No. 58	23,059	...	23,059
Providing 6" water main in Worli Sonapur Lane	18,370	1,241	19,611
Repairing and extending the Trolley Track in various syphons of the duct line outside Bombay	34,911	1,227	36,138
Laying water main in ex-Trust Dharavi Scheme ...	27,799	9,581	37,380
Enlarging the existing 3" and 4" water mains in Mahim Kapad Bazar Road from Cadell Road to Mahim Bazar Cross Road to 6".	9,965	...	9,965
Providing an additional 9" water main in Bhavanishankar Road ...	27,188	14,040	41,228
Laying water main in Sion, Scheme No. 6	34,002	2,899	36,901
Enlarging the existing 3" and 4" water mains in Parel Chawl Road to 5"	17,003	...	17,003
Laying a 24" main in Worli Road in continuation of 24" main in Haines Road	1,14,282	2,023	1,16,305
Enlarging the existing 3" and 4" water mains in King's Lane and 4" main in Gola and Jiwanji Lane (A Ward)	9,301	914	10,215
Treating further portion of the 57" Steel mains in Sleater Road from Nana's Chowk to Falkland Road with reinforced gunite.	2,51,005	22,006	2,73,011
Constructing 1½ million gallons capacity reinforced gunite elevated tank at Bhandarwada	1,31,729	...	1,31,729
Enlarging the 5" water main in Carmichael Road to 9" and extending it to connect the same with 6" main in Altamount Road ...	29,325	1,129	30,454

	Capital Expenditure upto 31st March 1947.	Expended during the year.	Total Capital Expenditure up to 31st March 1948.
	Rs.	Rs.	Rs.
II—Water Works—Brought forward ...	4,83,22,948	88,203	4,84,11,151
II.—Water Works—Works in Progress—Brought forward ...	30,30,449	2,80,475	33,10,924
Enlarging the existing 4" main in Cruickshank Road to 9" (A Ward).	23,234	23,892	47,126
Enlarging the existing 4" main in Abdul Rehman Street, (B Ward).	28,793	1	28,794
Laying a 6" water main in King Edward Road between Dadar Road and Hospital Avenue	9,426	Cr. 26	9,400
Providing 6" water main in Nardulla Tank Road, (C Ward) ...	7,986	10	7,996
Extending the existing Anchor Blocks and providing additional ones in outside City Divisions	22,808	1,925	24,733
Enlarging the 4" main in Mangesh Senoy Street off Hornby Road, (A Ward)	674	3,155	3,829
Providing water mains in roads Nos. 8, 8-A and 9 of Naigaum Scheme No. 60, (F Ward)	15,015	2,274	17,289
Laying water main in New Bengalpura Street, (B Ward) ...	4,009	...	4,009
Enlarging and extending the water main in Mustan Tank Road, (E Ward)	16,603	2,443	19,046
Providing a 6" main in Wallace Street (A Ward)	9,047	...	9,047
Laying 6" water mains in Roads Nos. 11A and 18 (part) in Dadar Matunga Estate, Scheme No. 5	24,464	2,024	26,488
Laying a 6" water main in the proposed 30' road, off Haines Road.	8,852	5	8,857
Improving the water supply in localities in B Ward—laying water mains in Musjid Bunder Road, Sandhurst Road, etc. ...	97,501	43,553	1,41,054
Removing the existing 5" main in Sleater Road and replacing it by a 6" water main in the west footpath thereat	30,301	1,157	31,458
Enlarging the existing 3" 4" main in Islampura Street to 6" (D Ward)	8,441	...	8,441
Laying a 6" water main in 40' road, off Cadell Road and in 40' Road to Kashinath Dhuru Road (G Ward)	11,041	390	11,431
Enlarging and extending the 3" water main in Princess Street to 6" (C Ward)	5,970	...	5,970
Providing a 30" trunk main from Malabar Hill Basin to Block No. I with Cross connection to 24" main in the Churchgate Street.	4,056	...	4,056
Providing cross connections for improving the water supply to E Ward locality	13,044	1,679	14,723
Augmenting water supply of the City—Survey regarding Bhivpuri Scheme	2,73,278	87,731	3,61,009
Enlarging and extending 6" > 4" mains in Queen's Road and New Queen's Road	31,815	6,209	38,024

Laying a 5" main in Ganeshwadi 1st Lane and enlarging and extending 3" main in Ganeshwadi 2nd Lane and connecting it with the proposed main in Ganeshwadi 1st Lane (C Ward) ...	5,963	2,881	8,844
Providing concrete blocks under steel mains outside City at places where they are badly corroded	2,23,430	60,015	2,83,445
Providing hydrants in roads where there are no hydrants or where additional hydrants are necessary	15,517	...	15,517
Providing a 12" main along western slope of Malabar Hill from Malabar Hill Reservir to Napean Sea Road	47,230	...	47,230
Purchase of New Meters	1,07,168	83,461	1,90,629
Enlarging and extending the exsting 4" water main in Belvedere Road, Mazagaon	19,216	8,222	27,438
Enlarging the 5" and 3" water mains in Lamington Road, enlarging the 3" mains in Topiwala Lane and Tara Temple Lane ...	34,887	260	35,147
Enlarging and extending the 4" water main in Gas Works Lane off Parel Road (F Ward)	19,831	274	20,105
Providing a 5" main in Laburnam Road	3,961	Cr. 27	3,934
Removing the embedded portions of the 32" Vehar Main and 48" old and new Tansa Mains over the swing bridge at Kurla and relaying the same over the existing piers of the bridge ...	1,06,944	1,864	1,08,808
Measures for preventing frequent bursts on trunk mains inside the City	49,543	20,800	70,343
Augmentation of City's water supply	36,427	54	36,481
Enlarging and extending 4" main in Curry Road Low Level (G Ward)	20,276	...	20,276
Enlarging the 5" main in Zaoba's Oart (C Ward)	13,341	13	13,354
Laying a water main in Kamathipura 12th Street	6,483	Cr. 8	6,475
Enlarging and extending the 3" main in Tamarind Lane and enlarging the 4" main in Meadow's Street	10,640	...	10,640
Providing 24" cross connections between the Trunk mains outside the City	47,207	155	47,362
Improving the water supply in Stable Street Kamathipura, E Ward.	9,570	587	10,157
Providing a 5" water main in Cumbala Road, D Ward ...	7,273	Cr.13	7,260
Providing a 5" water main in Dockyard Road	5,439	627	6,066
Enlarging the 4" main in Hornby Road East footpath from Gunbow Street to Ghoga Street	11,944	213	12,157
Providing a 5" water main in Reay Road between Gunpowder Road and Dockyard Road and in the two bye-lanes	19,321	584	19,905
Enlarging the 3" water main in Peerkhan 1st Lane (E Ward) ...	3,360	...	3,360
Enlarging the 4" water main in Sheikh Buran Kamoddin Street, (E Ward)	10,149	Cr. 8	10,141
Enlarging and extending the 3" main in Chambar Lane off Parel Road (E Ward)	6,109	...	6,109
Extension of the mains at Worli Sea Face Road and the 60' road parallel to it upto Love Grove Road	4,806	...	4,806
Enlarging the 4" water main in Narayan Dhuru Street, B Ward to 9".	27,226	...	27,226
Enlarging the existing 6" main in Girgaum Road to 12" from Thakurdwar to Charni Road, (D Ward)	51,284	474	51,758
II.—Water Works—Works in Progress—Carried forward ...	30,30,449	2,80,475	33,10,924
II.—Water Works—Carried forward ...	4,83,22,948	88,203	4,84,11,151

Providing a 12" water main in Bhuleshwar Street (C Ward) ...	28,797	6,962	35,759
Laying a 6" main in Mazgaon Road (B Ward)	7,720	916	8,636
Diverting and regrading the existing Tulsi Trolly Track ...	57,122	46,926	1,04,048
Providing a 12" feeder main in Bhau Daji Road	26,673	25,647	52,320
Housing accommodation for emergency gangs for the labour staff in the out side City Division	41,025	27,624	68,649
Providing a 6" main in Ghella bhoy 3rd Lane	4,945	1,542	6,487
Providing 9" main in New Wadi from Zaoba's Oart to Counect with the 9" main in Dadyshet Street (C Ward)	2,453	9,574	12,027
Enlarging the existing 6" main in Pochkhanawalla Road (East and West) to 15" and 12" (G Ward)	29,860	34,596	64,456
Laying a water main in Jame Jamshed Road (South) F Ward ...	5,673	458	6,131
Laying a 9" main North East footpath of Haines Road (E Ward) ...	5,784	2,282	8,066
Providing a 6" water main in Ropa Walk Street (A Ward) ...	7,812	24	7,836
Enalrging the existing main in Forjett Street (D Ward) ...	10,978	22,110	33,088
Laying mains in Road Nos. 36 and 45 in Dadar-Matunga Estate, Scheme No. 5 (F Ward)	9,416	116	9,532
Enlarging and connecting Dead end of 4" main in Elphinstone Road (Low Level North Side) to 6" (G Ward)	7,108	88	7,196
Laying water mains in Dhobi Wada Mahalxmi, Clerk Road ...	9,924	3,200	13,124
Enlarging the existing 6" main in the Southern footpath of Love Lane to 12" between Parel Road and Mount Road (E Ward) ...	9,543	20,450	29,993
Enlarging 6" water main to 12" in Suparibaug Road East (F Ward).	26,457	22,064	48,521
Providing a 6" main in New Tank Bunder Road (E Ward) ...	4,825	...	4,825
Providing a 6" main in Duncan Road Cross Lane (E Ward) ...	4,775	1,278	6,053
Providing a 6" main in Home Street	8,108	3,811	11,919
Guniting the two 57" steel mains in Tulsi Pipe Line Road between Nardulla Tank Road and Elphinstone Road	43,085	28,768	71,853
Laying a 9" water main for housing Scheme at Wadala for the benefit of persons rendered Homeless as a result of explosion ...	28,221	1,618	29,839
Diverting the 9" main in Hornby Vellard Road	9 506	21	9,527
Providing 12" cross connection between 57" East and West Tansa mains and 12" main in Mori Road at Lady Jamshedji Road Junction Mori Road ..	4,320	Cr. 84	4,236
Providing 15" cross connectio between 57" Tansa East and West mains and 15" main in Elphinstone Road at Elphinstone Road Junction Tulsi Pipe Line Road ...	5,891	37	5,928
Providing 6" main in Magdala Road (A Ward) ...	5,746	3,517	9,263
Grountir.g the Tansa Dam with cement ...	3,46,500	4,065	3,50,565
Provision of automatic shutters over the West main at the Tansa Dam ...	826	2,96,002	2,96,828
Additional 24" outlet at Bhandarwada Hill Reservoir from Reservoir No. III to 48" Babula Tank outlet (B Ward) ...	1,188	11,441	12,629
Renovating the tin shed at DeLisle Road, Water Works Shop	8,901	5,536	14,437
Laying a 6" water main in Victoria Road (South Foot-path) E Ward	7,229	29,588	36,817
Providing a 6" water main in Navalkar Lane, E Ward ...	2,103	3,559	5,662
Providing a water main in Bastin Road, A Ward ...	2,810	2,385	5,195
Providing a 6" water main in Joshi Wadi, C Ward ...	2,441	2,168	4,609
II—Water Works—Works in progress—Carried forward ...	44,54,572	10,75,186	55,29,758
II—Water Works—Carried forward ...	4,83,22,948	88,203	4,84,11,151

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1947.	Expended during the year.	Total Capital Expenditure up to 31st March 1948.
	Rs.	Rs.	Rs.
II.—Water Works—Carried forward ...	4,83,22,948	88,203	4.84,11,151
II—Water Warks—Works in Progress—Brought over ...	44,54,572	10,75,186	55,29,758
Laying water main Manohardas Street, A Ward ...	2,829	9,725	12,554
Laying a 6" water main in 30" passage off Lady Jamshedji Road behind Plaza Cinema, G Ward ...	2,720	1,878	4,598
Providing a 9" feeder main in Babulnath Road (D Ward) ...	3,982	8,656	12,638
Providing a 6" Water main in the Cross Lane off Ripon Road. (E Ward) ...	1,760	2,965	4,725
Providing a 12" water main in the southern foot-path of Falkland Road. (D Ward) ...	6,999	3,486	10,485
Enlarging and existing the 4" main to 6" in Bomanji Petit Road. (D Ward) ...	6,956	15,774	22,730
Providing an additional 9" water main in Wode House Road from Colaba Road to Cuff Parade Junction—Fore-shore Road (A Ward)	13,648	3,989	17,637
Providing a 6" water main in Durga Street Mahim (G Ward) ...	2,407	3,025	5,432
Providing a 6" water main in the Northern and Southern foot-paths King Edward Road between Parel Tank Road and Tokersi Jivraj Road. (F Ward) ...	9,157	150	9,307
Providing a water main in Bake House Lane (A Ward) ..	4,489	3,017	7,506
Enlarging the existing main in French Road. (D Ward) ...	1,508	15,001	16,509
Extension of the water main in the west foot-path at Parel Chawl Road (F Ward) ...	3,184	616	3,800
Providing a 6" water main in Mayo Road (A Ward) ...	9.076	29,071	38,147
Laying a 6" water main in the road connecting the Arthur Road and Gas Works Lane. (F Ward) ...	4,301	7,914	12,215
Providing venturi meters on Trunk outlets and inlets and Distributory mains in the various parts of the City ...	55	...	55
Preliminary expenses for the survey for preparing plans and estimates in connection with the construction of service Reserviors Worli and Rowli Hills. ...	11,090	392	11,482
Replacement of venturi Meters on 48" Old Tansa main 32" and 24" Vehar main and 24" Tulsi main ...	55	...	55
Providing two additional outlets at level 360 T.H.D. at Tansa Dam. ...	...	5,63,461	5,63,461
Additional floor over Chawkidar's quarters at G Ward at Delisle Rd.	Cr. 11	Cr. 8	Cr. 19
Enlarging the 4" water main in Arab Lane to 6" (D Ward) ...	...	3,605	3,605
Enlarging the existing 5" water main in Huzria Street (D Ward) ...	...	8,588	8,588
Providing a 9" water mainin Road No. 11 (South), Scheme No. 52 Worli G Ward.	...	26,129	26,129

	Capital Expenditure upto 31st March 1947.	Expended during the year.	Total Capital Expenditure up to 31st March 1948.
	Rs.		Rs.
V—Public Health—Brought forward ...	15,12,880	...	15,12,880
Works in Progress—			
Providing a Cemetery for Hindus at Dharavi	35,567	15,989	51,556
Providing a Cemetery for Dawoodi Bohra Community ...	1,05,,816	1,312	1,07,128
Construction of a permanent screen wall at the new drying ground for Dhobi at Mahalaxmi Katchra siding. ...	...	66	66
	1,41,383	17,367	1,58,750
V.—Public Health—Total ...	16,54,263	17.367	16,71,630
VI.—MEDICAL RELIEF AND EDUCATION.			
Works completed (as per Report for 1946-47)	74,35,041	...	‡‡ 74,35,041
Municipal share for the cost of constructing Buildings etc. for the Tuberculosis Hospital Sewree	2,47,368	...	2,47,368
Total Works completed ...	76,82,409	...	76,82,409
Works in progress—			
Extension of the K. E. M. Hospital (Part expenditure booked under Trust Fund)	5,01,960	4,728	5,06,688
Extension of Nurses Quarters kitchen in the Nurses Quarter &c., at Arthur Road Hospital	46,074	8	46,082
Reconstruction of the collapsed wall &c., at Turner Sanitorium...	24,901	9,588	34,489
Extension of the Dispensary at Arthur Road Hospital ...	13,912	300	14,212
Capital repairs to the old Hospital block at Turner Sanitorium ...	4,401	Cr. 121	4,280
Additions and alternations to V. D. Clinic Building at Bellasis Road	29,156	13,201	42,357
Expenditure in connection with the taking over of the Indian Military Hospital at Dharavi and other incidentle works. ...	...	1,99,449	† 1,99,449
	6,20,404	2,27,153	8,47,557
VI—Medical Relief, etc.—Total ...	83,02,813	2,27,153	85,29,966

Providing stand post hydrants on 9" main on Maulana Abdul Gafoor Road ...	...	...	...
Enlarging and extending 4" water main in Souter Street (E Ward)	...	12,476	12,476
Augmentation of City's Water supply Survey in 1947-48 ...	...	910	910
Augmentation of the City's Water supply Vaitarna-Cum Tansa Scheme ...	...	1,67,626	1,67,626
	...	1,56,834	1,56,834
Total works in progress ...	45,38,777	21,20,466	66,59,243
Grand Total ...	5,28,61,725	22,08,669	5,50,70,394
Tansa Triplication works completed (as per report 1946-47) ...	4,99,46,291	...	4,99,46,291
II.—Water Works total	10,28,08,016	22,08,669	10,50,16,685

III.—EDUCATION—PRIMARY.

SCHOOL BUILDINGS—

Works completed (as per Report for 1946-47)	22,38,789	...	*22,38,789
Construction of Municipal School Buildings—			
(1) School Building at Mastan Tank	1,03,114	...	1,03,114
(2) Do. Sukhlaji Street	2,17,293	...	2,17,293
(3) Do. Dongri	2,33,253	...	2,33,253
(4) Do. Gopi Tank, Lady Jamshedji Road ...	10	...	10
III.—Education—Primary—Total ...	27,92,459	...	27,92,459

IV.—EDUCATION—SECONDARY.

Works in progress—

Renewing the flooring of the two front corner rooms and painting the front portion including the two rooms in Victoria and Albert Museum	20,392	315	20,707
IV.—Education-Secondary Total ...	20,392	315	20,707

V.—PUBLIC HEALTH.

Works completed (as per Report for 1946-47)	15,00,506	...	15,00,506
Works completed during the year.			
Providing a Cemetary for Ahmedia Muslim Community at Bhoiwada	12,374	...	12,374
Totals Works Completed carried forward ...	15,12,880		15,12,880

VII.—STREET CLEANSING CONSERVANCY ROAD WATERING AND HALALKHORE SERVICE.

Works completed (or per Report fo 1946-47)	67,25,277	...	67,25,277
Works completed durine the year.			
Gunite treatment and repaire to Block B of Health Depatment Ghawls of Paltan Road.	76,549	...	76,549
Gunite treatement and repaireto Block A of Health Department Chawl of Paltan Road.	90,763	...	90,763
Construction of two seated urinals near play ground and Septic Tank Installation on Lakhamsey Nappoo Road	1,512	...	1,512
Totals Works Completed ...	68,94,101	...	68,94,101
Works in progress—			
Conversion of insanitary basket privies into water-closets by subsidising House Owners	18,31,237	Cr. 25,685	18,05,552
Construction of chawls, sanitary conveniences and improvements, etc., to camp at Chembur	1,17,946	...	1,17,946
Conversion of privies on basket system into water closets by Subsidising House Owners in the northern part of the City ...	1,95,600	480	1,96,080
Construction of Public conveniences in different parts of the City.	44,124	18,014	62,138
Construction of incinerator for burning the Kutchara in the City.	367	...	367
Providing washing places and water closets for the proposed camps of mang garudis at Dharavi.	48,205	...	48,205
	22,37,479	Cr. 7,191	22,30,288
VII—Street cleaning—Total ...	91,31,580	Cr. 7,191	91,24,389

VIII.—ROADS, DRAINS AND SEWERS.

ROADS AND OVERBRIDGES—

ROADS—

Works completed (as per Report for 1946-47)	1,03,15,956	...	‡1,03,15,956
Works in progress—			
Remaking Roads in accordance with demands of heavy traffic ...	64,91,588	1,11,633	66,03,221
Permanent construction of existing Kutcha footpaths... ...	11,25,712	48,824	11,74,536
Extension of Ranade Road from Lady Jamshedji Road to Gokhale Road	2,21,148	15,075	2,36,223
Constructing a pucca retaining wall at the toe of Walkeshwar Road to support the Embankment	73,948	681	74,629
Widening 1st Marine Street	3,03,044	...	3,03,044
Works in progress carried forward ...	82,15,440	1,76,213	83,91,653
Roads completed carried forward ...	1,03,15,956	...	1,03,15,956

* Inclusive of Government share of Contribution of Rs. 5 lakhs
† Expenditure amounting to Rs. 1,10,000 is booked under Trust Fund and that amounting to Rs. 3,35,000 is temporarily met out of Net Premia Fund.
‡‡ Exclusive of Rs. 30,000 expended out of the Donation from Sir Ibrahim Rahimtoola Kt. for combined school and Dispencary at Sandhurst Road and of Rs. 27,268-8-0 expended out of the amount received from Governor's Hospital Fund which was credited to the work of construction of one new Ward for Small-pox unit at Arthur Road Hospital.
‡ Inclusive of Rs. 1,56 500 contributed by the Port Trust for Wadi Bunder Road.

Appendix No. 8—*continued.*

—	Capital Expenditure upto 31st March 1947.	Expended during the year.	Total Capital Expenditure up to 31st March 1948.
	Rs.	Rs.	Rs.
VIII—Roads Drains and Sewers—Brought forward ...	1,03,15,956	...	1,03,15,956
Works in progress—brought forward ...	82,15,440	1,76,213	83,91,653
Providing cement concrete carriageway along the 50' road between Tulsi Pipe Line Road and Bhawanishankar Road, including modification of S. W. drainage arrangements	32,731	...	32,731
Permanent construction of narrow by-lanes in the City ...	1,02,647	18,436	1,21,083
Renewal of surfaces of roads for which no renewal fund exists ...	1,37,556	40,948	1,78,504
Providing traffic amenities such as (a) Subways and overbridges (b) Traffic Islands (c) Pedestrian crossings	45,591	10,709	56,300
Filling in certain lowlying lands	38,456	9,131	47,587
Widening the bottleneck at Dharavi Road near the Municipal Sluice House ...	80	...	80
Construction of 40' Road between Sayani Road and Khed Gully...	25,180	...	25,180
Construction of footpaths where no footpaths exist	63,788	21,245	85,033
Renewal of Surfaces of Roads taken over from Ex-Trust—Victoria Gardens Road etc.	1,27,721	1,70,019	2,97,740
Widening the existing Kalewadi Lane to 20' and extending it to meet Queen's Road just in front of Charni Road Railway Station ...	10,771	1,042	11,813
Constructing half-width of carriage way with a katcha footpath on the east-side of Tulsi Pipe Line between Dadar Main Road and Dadar Purification Works	...	20,001	20,001
Acquisition of properties in connection with the construction of new 72' Road connecting Girgaum Road to Charni Road ...	...	4,13,875	4,13,875
Making or reconstruction of road—Sion Rd. from Kings Circle to Rd. No. 13	...	46,932	46,932
Paving footpath at Mahim Causeway from Mori Road to the bridge	...	33,513	33,513
Paving footpath at Lady Jamshedji Rd. from Gokhale Rd. to Mori Road	...	68,906	68,906
	87,99,961	10,30,970	98,30,931
Total—Roads ...	1,91,15,917	10,30,970	2,01,46,887
OVERBRIDGES—			
Works completed (as per Report for 1946-47)	51,08,316	...	51,08,316

—	Capital Expenditure up to 31st March 1947.	Expended during the year.	Total Expenditure up to 31st March 1948.
	Rs.	Rs.	Rs.
Drains & Sewers Work completed—Total brought forward...	3,31,18,776	...	3,31,18,776
Drains & Sewers Work—brought forward ...	51,01,826	53,079	51,54,905
(4) Making connections from existing sewers and S.W. drains to the Sump well	12,322	...	12,322
(5) Gravitation Sewer in Arthur Road	1,43,683	...	1,43,683
(6) Ejectors at Furguson and Delisle Roads	1,16,142	59,666	1,75,748
Additional works at Dadar Purification Works—			
Erecting 3 C.I. (H_2S) Purifiers, etc., over the existing consolidation Tanks at D. P. Works	29,904	...	29,904
Providing Relief drains, etc., for preventing the flooding at Vincent Road near Poibavdi	29,651	...	29,651
Renewing or remodelling the old subsidiary S.W. drains in the City—			
(1) Providing S.W. drain with the manhole and W.E. in portions of Cannon Road and Murzban Road	4,205	...	4,205
(2) Extension of S. W. drain along Cannon Road, Murzban Road and Bastian Road	2,746	...	2,746
(3) Providing 12" pipe drain with manholes and water gullies, etc., at T. Parashram Street between Sandhurst Road and Durgadevi Road	6,419	...	6,419
(4) Providing 12" pipe drain with manholes and water gullies at Dhabu Street between Sandhurst Road and Grant Road ...	14,864	...	14,864
(5) Providing 12" pipe drain with manholes in Packmodia Street between Guzar Street and Cooper 1st Street... ...	5,349	...	5,349
(6) S. W. Drain in Durgadevi Street	22,475	...	22,475
(7) S. W. Drain in Hope Street	12,760	...	12,760
(8) S. W. drains in Khoja Street ...	8,886	...	8,886
(9) S. W. drains in Garibdas Street ...	7,333	...	7,333
(10) S. W. drain in Samuel Street	53,524	1,764	55,288
(11) S. W. drain in old Bengalpura Street	...	4,010	4,010
(12) S. W. drain in Nakhuda Street	...	2,779	2,779
Providing under ground S.W. Drains in lieu of the existing open side drains in the City (1) D'Lima Street; (2) Matharpakhadi (3) Bhoiwada.	39,563	32,889	72,452
Reconstrucrion of the damaged Sea wall of the Biological Installation at Banganga together with staff quarters etc. ...	71,011	513	71,524
Laying Sewers in certain Roads in the City where no Sewers exist..	26,088	2,317	28,405
Providing Storm Water Drains in certain roads in the City where no S. W. Drains exist.	24,963	3,638	28,601

Works in progress—			
Widening the Bridge at Love Grove Pumping Station and improving the bed of the channel	§ 3,28,000	...	3,28,000
Overbridges—Total ...	54,36,316	...	54,36,316
STREET IMPROVEMENTS—			
Street Improvements in different places—Set-backs ...	1,48,56,886	3,16,768	1,51,73,654
Adding set-backs to roads	3,85,109	23,894	4,09,003
Special Street Improvements	§§ 19,000	...	19,000
Street Improvements—Total ...	1,52,60.995	3,40,662	1,56,01,657
DRAINS AND SEWERS—			
Works completed (as per Report for 1946-47)	3,29,96,006	...	3,29,96,006
Works completed during the year 1947-48—			
Acquisition of land and construction of staff quarters at Dadar Purification Works.	63,894	...	63,894
Improving the Sewerage facalities in Colaba Area ...	38,401	...	38,401
providing submidary Sewer in Gowalia Chawal Lane ...	20,475	...	20,475
	1,22,770	...	1,22,770
Total—Works completed ...	3,31,18,776	...	3,31,18,776
Works in progress—			
Sewerage Scheme for the Northern Part of the Island including Sludge Digestion Plant	25,07,723	...	25,07,723
Construction of Subsidiary and Branch Sewers in connection with the Sewerage Scheme for the Northern Part of the City ...	14,66,257	...	14,66,257
Drainage connections in different parts of the City ...	4,92,676	43,553	5,36,229
Construction of water gullies on various roads in the City ...	35,635	6,948	42,583
Renewal of old masonry storm water drains in the City ...	1,01,495	2,578	1,04,073
Works in connection with the Scheme for the Sewerage at Wadala-Gowari, parts of Sewri, Sion and Dharavi	1,91,917	...	1,91,917
Works in connection with removal of the surcharged condition of the sewers in the City—			
(1) Construction of a sump well and supply and erection of a Pumping Station	83,075	...	83,075
(2) Construction of 42" and 48" high level gravitation sewers in Haines Road	1,31,031	...	1,31,031
(3) Laying 36" C. I. Rising Main	92,017	...	92,017
Drains & Sewers—in progress Total carried forward ...	51,01,826	53,079	51,54,905
Drains & Sewers—works completed carried forward ...	3,31,18,776	...	3,31,18,776

Construction of two sheds for storing Chlorine—one at Dadar Purification Work and other at Matunga ...	7,529	7,132	14,661
Cement Concrete encasing to the 'girdars' of the final settlement Tanks at D.P. Works and guiniting Aeration Tanks at C.F.I. Tanks, etc.	6,214	12,424	18,638
Filling and Pitching the sides of Dharavi Road to prevent damages done to road by the action of Sea Waves	13,624	596	14,220
Providing protective works and repairs to storm water out-falls in Mahim Bay	940	5,645	6,585
Additional floor over Chowkidar's uarters at (G Ward) Office at DeLisle Road ...	Cr. 11	Cr. 8	Cr. 19
Sewerage scheme at Dharavi ...	808	191	999
Measures for relieving flooding in the City ...	1,920	41,397	43,317
Doing away with the open side drain on the east side of Warden Road	78	12,213	12,291
Extension of Purification Plant at Dadar ...	...	3,89,536	3,89,536
Acquisition of land for shifting cemetaries at Hains Road in connection with the proposed Love Grove out fall work ...	...	74	74
Laying a 27' pipe sewer along Victoria Garden Road from Victoria Road to Garden Bridge ...	...	36,843	36,843
Total works in progress ...	57,64,816	6,66,638	64,31,454
Drains and Sewers ...	3,88,83,592	6,66,638	3,95,50,230
VIII.—Roads, Drains and Sewers—Total ...	7,86,96,820	20,38,270	*8,07,35,090
IX.—MECHANICAL.			
Works completed (as per Report for 1946-47)	30,49,554	...	30,49,554
Works in progress—			
Purchase of necessary Plant and Machinery to utilise surplus sludge gas available at the Sludge Digestion Plant to run the Municipal motor lorries	1,36,250	1,428	1,37,678
Renewing the old air and sealed Sewage mains in the City ...	42,284	16,846	59,130
Construction of the Floculator Tank at D. P. Works. ...	31,003	522	31,525
Renewing 15" Sealed Sewage main of the Delisle Rd. Ejector. ...	39,648	4,523	44,171
Providing additional transformer at Love Grove Pumping Station ...	94	...	94
Purchasing and erecting of a modern type slow speed air compressor at Warden Road air compressor station ...	102	...	102
Provision of W.C. blocks for the convenience of labour staff etc., at the Municipal Workshop ...	69	7	76
Constructing an additional pumping Station at love grove ...	...	500	500
	2,49,450	23,826	2,73,276
IX.— Mechanical.—Total ...	32,99,004	23,826	33,22,830

§ Inclusive of Rs. 91,234 received from Government on account of contribution from Provincial Share of Petrol Tax Fund for Widening the Brigade at Love Grove Pumping Station.

§§ This was paid out of the Road Improvement Fund.

* This includes Rs. 15,995—1—0 met out of Premia on Loans.

Appendix No. 8—*continued.*

	Capital Expenditure up to 31st March 1947.	Expended durin g the year.	Total Capital Expenditure upto 31st March 1948.
	Rs.	Rs.	Rs.
X.—BUILDINGS, LAND ACQUISITION AND MANAGEMENT.			
COMPLETED WORKS TRANSFERRED FROM—			
XII.—Building Regulations and other measures for Public Safety—(As per Report for 1945-46)	17,292	...	17,292
Golanji Hill Road (Part expenditure booked under VIII.—Roads, etc.)	7,66,975	...	7,66,975
Hornby Road to Ballard Pier Road	1,93,18,431	...	1,93,18,431
Dalal Street	4,01,322	...	4,01,322
Mahim Park	61,21,102	7,632	61,28,734
Mahalaxmi Overbridge	13,68,193	620	13,68,813
Plant and Machinery	20,673	...	20,673
X—Bulding, etc.—Total ...	2,79,96,696	8,252	2,80,04,948
MAHIM DEVELOPMENT SCHEMES—			
Scheme I.—Construction of a proposed road from Lady Jamshedji Road to Mahim Station	4,68,591	...	4,68,591
Scheme II.—Construction of two proposed roads and a park between Nardulla Tank and Dadar Kumbharwada ...	7,82,105	...	7,82,105
Scheme III.—Extension of the new DeLisle Road northwards to Lady Jamshedji Road	19,10,915	...	19,10,915
Scheme IV.—Widening and improving Lady Jamshedji Road ...	34,49,872	...	34 49,872
Scheme V.—Road in continuation of Mahim Bazaar Cross Road to Tulsi Pipe Line Road	3,21,171	...	3,21,171
Scheme VI.—Proposed Road between Matunga and Dadar Station connecting Lady Jamshedji Road with Tulsi Pipe Line Road (Road marked A, B)	63,485	...	63,485
Scheme VII.—Roads to be constructed in the area south of proposed Road between Matunga and Dadar Station as per Scheme No. VI. (Roads marked B C, C D and D E)	5,18,962	24,956	5,43,918
Scheme VIII.—Roads to the south and north of E. D. Sassoon Dye Works	2,76,670	...	2,76,670
Laying mains in Mahim Development Schemes	96,707	...	96,707
Diversion of water mains affected by the Mahim Development Works	3,149	...	3,149

	Capital Expenditure upto 31st March 1947.	Expended during the year	Total Capital Expenditure upto 31st March 1948.
	Rs.	Rs.	Rs.
XV.—SLUM SERVICE.			
Works completed (as per Anual Report for 1946-47.) ...	1,27,492	...	1,27,492
Works Completed during the year			
Realigning, regrading and covering of 750' of open channel drain from Dadar to Century Mills	44,227	...	44,227
Totals Works Completed ...	1,71,719	...	1,71,719
Works in progress—			
Construction of storm water channel from Haines Road to Love Grove	1,58,281	...	1,58,281
Construction of Drains and filling in storm water channel from Fergusson Road to Haines Road	2,78,732	2,650	2,81,382
Closing of open storm water channels— (1) From Worli Road to Sluices	42,012	...	42,012
Realigning and regrading open storm water channel from Dadar Pumping Plant upto Century Mill	13,575	69	13,644
Works to be carried ou. by the side of the open drain from Matunga to Dharavi to pick up the sewage flowing into the open drain (1) 36" Gravitation sewer along the open channel drain from 1400" south of Lady Harding Road to the covered drain beyond Mahim loop line...	1,12,851	8,109	1,20,960
	6,05,451	10,828	6,16,279
XV.—Slum Service—Total ...	7,77,170	10,828	7,87,998
XVI.—MEASURES FOR CIVIL DEFENCE.			
Purchase of Stores Equipment	1,89,130	*Cr.* 48,636	1,40,494
XVII.—GREATER BOMBAY.			
Preliminary expences in connection with the preperation of the Master Plan for Greater Bombay (Municipal Share) ...	...	36,125	36,125

Town planning Scheme for the area near Masjid Station devastated by the explosion—Priliminary expenses, cost of Survey and acquisition	19,126	23,193	42,319
Mahim Developments—Total...	79,10,753	48,149	79,58,902
Interest on Capital	70,10,837	...	70,10,837
X.—Buildings, Land Acquisition and Management Total ...	4,29,35,578	56,401	4,29,91,979
XI.—FIRE BRIGADE.			
Works completed (as per Report for 1946-47)	11,83,561	...	11,83,561
Works in progress—			
Construction of a Fire Brigade Station at Memonwada ...	1,72,595	...	1,72,595
XI.—Fire Brigade—Total ...	13,56,156	...	13,56,156
XIII.—GARDENS AND OPEN SPACES.			
Works completed (as per Report for 1946-47)	36,76,874	...	36,76,874
XIV.—MARKETS AND SLAUGHTER HOUSES.			
Works completed (as per Report for 1946-47)	78,86,330	...	78,86,330
Work completed during the year—			
Construction of a combined Municipal Market at Worli on plots Nos. 207, 208 and 209 in Scheme No. 52, Worli	1,91,788	808	1,92,596
Total works completed...	80,78,118	808	80,78,926
Works in progress—			
Construction of Fort Market	1,27,497	...	1,27,497
Improvements in Arthur Crawford Market	1,850	...	1,850
Additional works in the compound of Bandra Slaughter House ...	18,502	...	18,502
Works of (1) Renewing side walls of open channel drain (2) Providing concrete pavement around butchers chowls and constructing shed for stabling cattle in the compound of Bandra Slaughter House.	26,013	...	26,013
Constructing a building for a new and up to date Refrigerated plant at A. C. Market ...	...	83	83
	1,73,862	83	1,73,945
XIV.—Markets and Slaughter Houses—Total ...	82,51,980	891	82,52,871

DISCOUNT AND OTHER CHARGES ON THE LOANS			
Discount and other charges on the loans (as per Report for 1946-47)	5,87,246	...	†5,87,246
do. Rs. 54 Lakhs of 1946-47 ...	22,500	30,000	52,500
do. Rs. 75 do. 1947-48 ...	...	1,97,884	1,97,884
Discount and other charges—Total ...	6,09,746	2,27,884	8,37,630
PLANT AND MACHINERY.			
Completed Items—			
Plant and Machinery purchased (as per Report for 1946-47) ...	6,21,507	...	6,21,507
Item completed during the year			
II.—WATER WORKS.			
Purchase of one Portable Chlorinating Unit ...	11,461	...	11,461
Providing 3 level indicating and recording instruments at B. H. Reservoir.	7,723	...	7,723
Purchase of a Chlorinator with accessories No. 1 ...	6,600	...	6,600
Conversion of hydraulically operated S. V. with hand operated ones out side City.	10,086	...	10,086
Providing electircally operated Sluice Valves on 14' Mazgaon... outlet at B. H. Reservoir.	5,090	...	5,090
40 B. H. P. electrically driven pumpping Set No. 1 at the Malbar Hill Reservoir.	5,701	...	5,701
Additional Chlorine panel for Tulsi Lake ...	5,485	...	5,485
Conversion of one pair of hydraulically operated Sluice Valves into hand operated ones at Powai	6,425	...	6,425
VIII.—ROADS DRAINS AND SEWERS			
Purchase of an air compressor for Electric Motor ...	4,647	...	4,647
Works Completed during the year—Total ...	63,21	..	63,218
Works Completed—Total.....	6,84,725	...	6,84725

† Out of this a sum of Rs. 11,004—15—0 was met out of Premia on Loans.

Appendix No. 8—*continued.*

	Capital Expenditure upto 31st March 1947.	Expended during the year.	Total Capital Expenditure up to 31st March 1948.
	Rs.	Rs.	Rs.
Plant and Machinery—Completed Works—Brought forward ...	6,84,725	...	6,84,725
Works in progress—			
II.—Water Works—			
One 24" electrically operated Sluice Valve at Bhandarwada Hill Reservoir	6,424	...	6,424
Providing screen to inlet Bay at Vehar and outlet well at Tansa...	40,613	...	40,613
Providing one 24" electrically operated sluice valve at 3. H. Reservoir ...	6,687	...	6,687
Additional Pumping set for the elevated Tank at Malbar Hill Reservoir ...	10,349	...	10,349
Purchase and erection of two 'R' type Chlorinators ...	12,870	936	13,806
Purchase of one Chlorinator unit with accessories for Bhandar Wada Hill Reservoir	16,931	4,272	21,203
Purchase of a tray with Injector solutionizers for the Powai Chlorination Plant	5,925	383	6,308
Welding sets complete with electrodes and accessories—2 Nos.	16,238	711	16,949
Conversion of hand operated S.V.s into electrically-operated sluice valve at the B.H.R.—			
One 48" S.V. on 48" Babula Tank out-let, etc. ...	14,345	1,563	15,908
Purchase of two 'R' type chlorination Panels to replace two existing panels at Powai ...	15 102	1,678	16,780
3 self Priming Portable centrifugal Pumping sets ...	5.698	...	5,698
Loco for outside City ...	...	24,529	24,529
Portable Chlorinator of 4 lbs. per hour Capacity ...	...	21,450	21,450
Conversion of hand operated S.V. into electrically operated ones at B. H. Reservoir one 30' on 36' New Tansa inlet to Reservoir No. I and one 24' on 36' New Tansa inlet to Reservoir No. III ...	...	10,805	10,805
Purchase of a Motor Trally for the travelling Dispensary ...	...	3,300	3,300
Brought over ...	6,84,725	...	6,84,725
Plant and Machinery—Works in progress Brought forward ...	2,80,667	97,521	3,78,188
XI.—FIRE BRIGADE,—			
Purchase of 5 ton hand operated travelling crane ...	5,750	451	6,201
Plant and Machinery Works in Progress ...	2,86,417	97,972	3,84,389
	9,71,142	97,972	10,69,114
Assets written off	*Cr.* 3,42,708	*Cr.* 61,362	*Cr.* 4,04,070
Plant and Machinery—Total ...	6,28,434	36,610	6,65,044
TRUST FUND.			
Works completed (as per Report for 1946-47)	38,01,634	...	38,01,634
Works completed during the year			
Constuction of two seated urinal near Play ground and Sceptic Tank Installation at Lakhamsey Napoo Road	278	...	278
Works in progress—			
Extention of K.E.M. Hospital (expenditure under Fund)	5,01,417	5,009	5,06,426
Government Share of the cost of preliminary expenses in connectiou with the preparation (part expenditure booked under Loan Funds) of Master Plan of Greater Bombay ...	...	33,250	33,250
Donation of Rs. 1,10,000 for establishment of a Women's Hospital at Dharavi	...	1,10,000	1,10,000
Works in Progress—Total ...	5,01,695	1,48,259	6,49,954
Trust Fund —Total	43,03,329	1,48.259	44,51,588

V.—Public Health Department—			
Purchase of a cinema van	23,037	...	23,037
VII.—Street Cleansing and Conservancy—			
10 Steel wood composite wagons (1939-40)	32,246	...	32,246
5 Steel wood composite wagons	...	17,268	17,268
VIII.—Roads, Drains and Sewers— ...			
Purchase of one O. K. champion Sewer	121	10,559	10,680
IX.—Machanical—			
Taking over 9 lorries purchased for A.R.P. Measures and converting them for Municipal purposes ...	51,140	67	51,207
Purchase of three Motor Vehicles of 1½ ton capacity for disposal of refuse	22,941	...	22,941
Plant and Machinery Woks in Progress carried forward ...	2,80,667	97,521	3,78,188
Plant and Machinery Completed Works Carried forward ...	6,84,725	...	6,84,725

WORN-OUT WATER MAINS RENEWAL FUND			
Works completed (as per Report for 1946-47)	9,60,624	...	9,60,624
Work in progress—			
Enlarging the 4" main in Mangesh Shenoy Street off Hornby Road, (A Ward)	1,890	1,920	3,810
Worn-out Water Mains Renewal Fund—Total ...	9,62,514	1,920	9,64,434
LAND AND BUILDINGS FUND			
Lands purchased and buildings erected out of the Municipal Land and Buildings Fund—			
Works completed (as per Report for 1946-47)	43,03,044	...	43,03,044

J. K. DARUWALA,

Chief Accountant.

B. K. PATEL,

Municipal Commissioner.

Appendix No. 9.

Statement showing (1) the total amount of Municipal Loans raised (2) the expenditure incurred there against and (3) the invested balances of the Loans on 31st March 1948.

—	Amount raised.	Amounts re-paid out of cash balance.	Net amount available for expenditure.	I.—General Superintendence, Collection of Revenue.	II.—Water Works.	III.—Education, Primary.	IV.—Education Secondary.	V.—Public Health.	VI.—Medical Relief and Education	VII.—Street Cleansing, Conservancy, Road Watering and Hackbiliere Service	VIII.—Roads, Drains and Sewers.	IX.—Mechanical.	X.—Buildings Land Acquisition and Management.	XI.—Fire Brigade.	XIII.—Gardens and Open Spaces.	XIV.—Markets and Slaughter Houses.	XV.—Shops Services.	XVI.—Warrags for civil Debtors.	XVII.—Grecter Bombay.	Discount and other charges on Loans.	Plant and Machinery.	Total amount Expended on Works up to 31st March 1948	Balance unexpended 1st April 1948
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Total of different Municipal loans raised (as per Annual Account 1946-47)	26,51,12,184 1 9	1,08,97,520 4 0	25,46,14,663 13 9																				
Advance from Land Sales Reserve Fund	19,75,000 0 0	17,03,429 11 0	1,71,570 5 0																				
	26,73,87,184 1 9	1,26,00,949 15 0	25,47,86,234 2 9																				
Loan of Rs. 54 Lakhs sanctioned for 1946-47, portion raised in 1946-47	20,00,000 0 0	...	20,00,000 0 0																				
Loan of Rs. 75 Lakhs for 1947-48, full amount raised in 1947-48	75,00,000 0 0	...	75,00,000 0 0																				
Advance from Special Funds for purchase of Plant & Machinery	97,972 4 0	...	97,972 4 0																				
Advance from Special Funds to meet the cost of purchase of Indian Military Hospital at Dharavi	1,99,448 12 0	...	1,99,448 12 0																				
Advance from Special Funds for Renewal of surfaces of Roads for which no Renewal Fund exists and of Roads taken over from Ex-Trust.	2,10,967 8 0	...	2,10,967 8 0																				
Total Rs. ...	27,75,95,572 9 9	1,26,00,949 15 0	26,47,94,622 10 9	13,96,427 3 5	10,42,62,037 12 0	22,92,459 3 11	20,706 14 0	36,75,542 13 6	78,29,966 6 5	91,17,503 6 3	6,06,94,988 0 4	33,22,829 15 1	3,00,07,868 6 4	13,56,156 5 9	36,59,004 4 1	82,39,520 15 4	2,92,999 3 6	1,40,493 8 0	36,125 5 6	8,28,624 14 1	11,97,759 1 6	25,88,19,093 11 0	59,35,528 15 9
Works executed out of Special Funds and Contributions :—																							
(1) Out of Contributions from—																						Rs. a. p.	
G.I.P. Railway for removing and relaying 32" Velsar Main, South of Kurla ...	...	...		3,34,000 0 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Total Receipts (Col. 4) ...	26,47,94,622 10 9
Port Trust for Worli Bunder Road ...	...	...		...	...	...	...	...	...	...	1,50,500 0 0	...	...	...	...	...	...	...	...	...	...		
Government for Construction of Primary School Buildings ...	...	...		...	5,00,000 0 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
(2) Out of Premia on Loans ...	...	...		2,40,000 0 0	...	...	...	...	...	...	13,995 1 0	...	...	...	...	53,841 11 11	...	...	...	11,004 15 0	...		
(3) Out of Special Funds—																							
Insurance Fund ...	2,34,326 3 3	...		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Total expenditure (Col. 22)	25,88,19,093 11 0
Nanik Road Investal Fund ...	...	...		...	...	...	...	...	...	...	49,844 8 0	...	...	...	...	...	...	...	...	...	...	Balance ...	+59,35,528 15 9
Road Improvement Fund ...	...	...		...	...	...	...	...	...	...	19,000 0 0	...	...	...	...	...	...	...	...	...	...		
Loan Works Establishment ...	...	...		...	...	...	...	...	...	...	...	...	...	...	12,869 15 8	...	...	...	...	...	...		
Development Fund Receipts ...	...	...		1,40,647 12 2	...	...	...	...	...	3,02,317 5 8	...	...	1,29,89,110 7 5	...	...	...	...	...	...	...	...		
Contribution from Revenue towards Bai Jerbai Wadia Hospital for Children ...	...	...		...	...	...	...	...	7,00,000 0 0	...	...	...	...	...	...	...	...	...	...	...	...		
Contribution from Government out of the Provincial Share of Petrol Tax Fund for widening the Love Grove Bridge. ...	...	...		...	...	...	...	...	...	...	91,234 0 0	...	...	...	...	...	...	...	...	...	...		
	21,30,753 11 8	10,50,16,695 8 7	27,92,459 3 11	20,706 14 0	36,75,542 13 6	85,29,966 6 5	91,19,900 9 11	6,10,27,561 9 4	33,22,829 15 1	4,29,91,978 13 9	13,56,156 5 9	36,76,874 3 9	82,93,369 11 3	2,92,999 3 6	1,40,493 8 0	36,125 5 6	8,37,629 13 1	11,97,759 1 6	
Debit—																							
Plague Expenditure ...	...	...	...	...	...	...	20,00,000 0 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
Assets written off on account of properties not existing ...	82,305 14 10	...	...	...	...	...	3,912 13 0	...	2,95,512 0 0	2,92,469 15 0	...	...	...	...	...	40,499 14 11	...	...	...	...	4,04,069 15 0		
Expenditure on account of Municipal Printing Press Machinery transferred Vide C. R. No. 856 of 11-12-40 ...	...	...	...	...	...	...	20,03,912 13 0	...	...	...	...	...	...	...	...	...	...	...	...	...	1,20,647 0 0		
Total Rs. ...	20,48,447 12 10	10,50,16,695 8 7	27,92,459 3 11	20,706 14 0	36,71,630 0 6	85,29,966 6 5	91,24,900 9 11	6,07,35,091 10 4	33,22,829 15 1	4,29,91,978 13 9	13,56,156 5 9	36,76,874 3 9	82,52,869 12 4	2,92,999 3 6	1,40,493 8	36,125 5 6	8,37,629 13 1	11,97,759 1 6	6,65,042 2 6	

* Inclusive of Rs. 0—1—0 out of the advance for the Renewal of surfaces of Roads for which no renewal fund exists and of Roads taken over from ex-trust.

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL.
Municipal Commissioner.

Appendix No. 10.

SINKING FUND.

Statement showing the Actual Investments on account of the Sinking Fund of different Municipal Loans upto 31st March 1948, compared with the amounts which should have accumulated upto that date on the basis of the Fixed Instalments and the sums set aside as Sinking Fund as at 31st March 1948.

Name of Loan.	Amount raised.	When raised.	When repayable.	Amount of Annual Sinking Fund Instalment.	Date when Sinking Fund commenced.	Amount of Sinking Fund which should have accumulated upto 31st March 1948 at Compound Interest.
1	2	3	4	5	6	7
	Rs.			† Rs.		Rs.
6 per cent. Municipal Loans (4 per cent. basis).						
160 Lakhs Loan for the Improvement of Water Supply in Bombay.	1,60,00,000	Between 22nd September 1924 and 31st March 1925 (First issue). Between 18th November 1924 and 31st March 1925 (Second issue).	1st December 1954 ...	2,85,280	1st December 1925 ...	1,05,85,644
5 and 6 per cent. Municipal Loans (3½ per cent. basis).						
147 Lakhs Tansa Water Works Loan ...	1,47,00,000	Between 5th June 1886 and 24th Dec. 1891.	(*a*) Between 1st January 1928 and 1st January 1953.	5,36,040	1st January 1893 ...	(*b*) 21,45,196
10 Lakhs Loan for the Conversion of S.W. Reservoir at Clerk Road into a Public Park.	10,00,000	2nd July 1920 ...	1st July 1980 ...	5,089	1st July 1921 ...	2,28,514
25 Lakhs Loan for the construction of roads, miscellaneous works including Development Works.	25,00,000	1st January 1928	1st January 1958 ...	48,428	1st January 1929 ...	13,81 518
37 Lakhs Loan (1929-30) ...	26,21,500	From 19th July 1929 to 1st August 1929.	1st August 1959 ...	50,782	1st August 1930 ...	12,73,143
31.43 Lakhs Loan for the repayment of 40 Lakhs Loan due 19th December 1929.	26,14,000	Do.	1st August 1959 or at the option of the Corporation on or after 1st August 1949 on giving three months' notice by public advertisement.	50,637	Do. ...	12,69,516
28 Lakhs Loan for the repayment of Rs. 39,94,000 out of 6 per cent. 50 Lakhs Loan due 1st August 1929.	8,45,500	Do.	1st August 1959 or at the option of the Corporation on or after 1st August 1954 on giving three months' notice by public advertisement.	16,379	Do. ...	4,10,643
40 Lakhs Loan (1930-31) ...	40,00,000	From 20th September 1930 to 6th October 1930.	1st September 1960 or at the option of the Corporation on or after 1st September 1950 on giving 3 Months' notice by public advertisement.	77,484	1st June 1931	18,10,590
4 per cent. Municipal Loans (3½ per cent. basis.)						
25 Lakhs Loan for Sewerage, Water, etc., Works.	25,00,000	17th and 18th July 1899.	1st November 1939 ...	...	...	*1,000
24¾ Lakhs Loan for certain Sewerage and Water Works.	24,75,000	6 Lakhs between 15th June and 1st July 1901. 11 lakhs between 23rd August and 31st October 1901 4 lakhs between 19th August and 28th October 1902 and 3¾ lakhs on 9th September 1903.	1st June 1943 ...			3,000
30 Lakhs Loan for Buildings Drainage Works, etc.	30,00,000	1st November 1920 ...	1st January 1951 ...	58,113	1st January 1922 ...	25,65,203
						1,10,88,323
					Carried forward ...	2,16,73,967

(*a*) Rs.	Repayable on	*Less*— Repaid—	Rs.	Balance. Rs.
2,00,000	1-1-1928.	From 1-1-1928 ...	2,00,000	...
52,91,500	1-1-1933.	„ 1-1-1933 to 31-3-1940 ...	52,91,500	...
22,08,500	1-1-1943.	„ 1-1-1943 to 31-3-1948 ...	22,07,500	1,000(*b*)
17,00,000	1-1-1946.	„ 1-1-1946 to 31-3-1948 ...	16,84,000	16,000
10,00,000	1-1-1948.	„ 1-1-1948 to 31-3-1948 ...	7,84,000	2,16,000
43,00,000	1-1-1953		...	43,00,000
Rs. 1,47,00,000			1,01,67,000	45,33,000

* Stoppage is recorded against this Debenture.

† All the Sinking Fund Instalments were re-arranged during 1906-07 on a 3½ per cent. basis as per Corporation Resolution No. 4946 of 9th February 1905 and were further re-arranged from 1st April 1928 as per Corporation Resolution No. 6114 of 12th September 1927.

Appendix No. 10—(*concld.*)

Name of Loan.	Amount raised.	When raised.	When repayable.	Amount of Annual Sinking Fund Instalment.	Date when Sinking Fund commenced.	Amount of Sinking Fund which should have accumulated upto 31st March 1948 at Compound Interest.
1	2	3	4	5	6	7
	Rs.			Rs.	Brought over ...	Rs. 2,16,73,967
4 per cent. Municipal Loans (3 per cent. basis).						
2nd 24¾ Lakhs Loan for Sewerage Works.	24,75,000	12 lakhs on 3rd September 1905, and 12¾ lakhs on 9th September 1907.	1st August 1946 ...	32,823	1st August 1907 ...	4,000
13½ Lakhs Loan for the construction of Quarters for Halalkhores and Biggaries.	13,50,000	7th August 1908 ...	1st May 1938 ...	...	...	*1,500
15 Lakhs Loan for Street Improvements.	15,00,000	29th July 1909 ...	1st May 1949 ...	19,893	1st May 1910 ...	14,13,613
30 Lakhs Loan for the acquisition of sites for the construction of various Overbridges in the City.	30,00,000	29th July 1909 and 10th August 1910.	1st May 1949 ...	40,448	1st November 1910 and subsequent instalments from 1st May 1911 and 1st May 1929.	28,25,904
70 Lakhs Loan for reduplication of Tansa Main and other Auxiliary Works.	70,00,000	9th September 1913, 22nd July 1914 and 10th April 1915.	Rs. 49,40,000 on 1st June 1954. „ 20,60,000 on 1st June 1974. Rs. 70,00,000	78,148	1st June 1915 ...	44,11,798
20 Lakhs Loan for Street Improvements.	20,00,000	9th September 1913 and 24th September 1915.	1st May 1955 ...	26,524	1st May 1916 ...	14,30,863
3½ per cent. Municipal Loans (3 per cent. basis).						1,00,87,678
9 Lakhs Loan (1935-36) ...	9,00,000	31st January 1936 ...	14th March 1966 ...	18,917	14th March 1937 ...	2,68,869
48 Lakhs Loan (1940-41) ...	48,00,000	Between 1st March 1941 and 15th January 1942.	1st March 1971 ...	1,00,891	1st March 1942 ...	7,75,004
25 Lakhs Loan (1941-42) ...	25,00,000	Between 1st September 1942 and 15th February 1943.	1st March 1972 ...	52,548	1st March 1943 ...	3,40,749
20 Lakhs Loan (1943-44)	20,00,000	Between March 1944 and November 1944.	1st March 1974 ...	42,039	1st March 1945	1,76,315
22 Lakhs Loan (1944-45) ...	22,00,000	Between March 1945 and March 1946.	1st March 1975 ...	46,243	1st March 1946 ...	1,43,291
25 Lakhs Loan (1945-46) ...	25,00,000	Between 27th March 1946 and 6th Nov. 1946	1st March 1976 ...	52,548	1st March 1947 ...	1,06,938
3 per cent. Municipal Loans (3 per cent. basis).						18,11,166
24½ Lakhs Loan (1936-37) ...	18,50,000 6,00,000	1st November 1936 ... 1st June 1937 ...	1st February 1967 ...	51,498	1st February 1938 ...	6,62,868
30 Lakhs Loan (1937-38) ...	30,00,000	1st April 1938 ...	14th March 1968 ...	63,058	14th March 1939 ...	7,23,957
30 Lakhs Loan (1938-39) ...	30,00,000	Between 16th January 1939 and 1st June 1939.	1st March 1969 ...	63,058	1st March 1940 ...	6,42,208
64 Lakhs Loan (1939-40) ...	64,00,000	Between 1st December 1939 and 1st September 1940.	1st March 1970 ...	1,34,523	1st March 1941 ...	11,99,213
54 Lakhs Loan (1946-47)	35,00,000	5th March 1947	1st March 1977 ...	1,13,505	1st March 1948 ...	1,13,789
						33,42,035
					Total Rs. ...	3,69,14,846

	Amount actually invested upto 31st March 1948.				Amount of Interest accrued upto 31st March 1948 collected and invested in 1948-49.	Total of Columns 5 and 6
	Amount of Sinking Fund invested upto 31st March 1947.	Sinking Fund Instalments paid in 1947-48.	Interest, etc., accumulations invested in 1947-48.	Total.		
1	2	3	4	5	6	7
Sinking Funds	Rs. a. p. 3,47,48,253 9 3	Rs. a. p. 20,32,073 0 0	Rs. a. p. 14,54,048 10 6	Rs. a. p. 3,82,34,375 3 9	Rs. a. p.	Rs. a. p.
Deduct—Withdrawn for repayment of Loans ...				7,92,500 0 0		
Total Sinking Funds ...				†3,74,41,875 3 9		
In Public Securities as detailed in Appendix No. 16-A ...				3,74,41,713 13 8		
In Cash with the Imperial Bank of India.				161 6 1		
Total ...				3,74,41,875 3 9	2,66,292 10 9	3,77,08,167 14 6

* Stoppage is recorded against these Debentures.

† The market value of the securities on 31st March 1948 is Rs. 3,95,47,217-4-8 as shown in Appendix No. 16-A and after adding the cash balance of Rs. 161-6-1 and the interest accrued on the securities upto 31st March 1948 amounting to Rs. 2,66,292-10-9 the total amount of Sinking Fund is Rs. 3,98,13,671-5-6.

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix

Statement showing Outstanding Loans due by the Municipality, the interest outstanding on 1st Imperial Bank of India, and in Office during that year

No.	Particulars of Loans.	Rate of Interest.	Balance due on 1st April 1947.	Amount raised in 1947-48	Total.	Amount re-paid in 1947-48
1	2	3	4	5	6	7
	Loans raised from Government.		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1	Vehar Water Works Debt ...	4 per cent	5,84,209 9 9		A 5,84,209 9 9	92,219 2 0
2	Conversion Loan for the repayment of Rs. 125 Lakhs taken from Government out of the 6½ per cent. Bombay Development Loan ...	3½ per cent.	26,05,257 2 0		B 26,05,257 2 0	6,20,410 2 0
3	2nd Instalment out of the Loan of Rs. 1½ crores for Water Works, Roads, Drainage and Sewerage, &c.	5½ per cent. (inclusive of Income-tax).	16,72,846 15 0		C 16,72,846 15 0	2,42,860 7 0
		4¾ per cent.	7,89,255 8 0		C 7,89,255 8 0	1,16,768 6 0
4	140 Lakhs Loans for General Supervision, Fire Brigade, &c., purposes	5½ per cent.	39,33,396 9 0		C 39,33,396 9 0	5,71,046 3 0
		5¼ per cent.	9,49,276 9 0		C 9,49,276 9 0	1,15,706 15 0
5	65 Lakhs Loan for Tansa Triplication Scheme ...	5¼ per cent.	24,60,492 6 0		C 24,60,492 6 0	2,99,905 3 0
6	2½ Crores Loan for Water Works, General Supervision and Development &c., purposes	5¼ per cent.	40,98,028 10 0		C 40,98,028 10 0	4,99,503 8 0
		5¼ per cent.	48,17,321 8 0		D 48,17,321 8 0	5,87,177 10 0
7	2 Crores Loan for major Development Works	5 per cent.	53,54,253 8 0		C 53,54,253 8 0	5,60,708 6 0
		5 per cent.	9,77,079 4 0		D 9,77,079 4 0	1,02,322 1 0
		5¼ per cent.	23,68,384 7 0		C 23,68,384 7 0	2,12,585 13 0
		5¼ per cent.	18,94,703 13 0		C 18,94,703 13 0	1,70,070 1 0
8	150 Lakhs Loan (1925-26)	5 per cent.	15,06,939 11 0		C 15,06,939 11 0	1,19,807 0 0
		5 per cent.	20,09,231 3 0		C 20,09,231 3 0	1,59,744 7 0
		3¾ per cent.	20,46,181 4 0		C 20,46,181 4 0	1,53,698 3 0
	Total Loans raised from Government Rs.		3,80,66,857 14 9		3,80,66,857 14 9	46,24,533 7 0
	Loans raised from the Public.					
1	19½ Lakhs Loan for Sewerage, Road, and other Sanitary Works. ...	4 per cent.				
2	The Tansa Water Works Loan (Rs. 147 Lakhs) ...	5 per cent.	53,22,000 0 0		53,22,000 0 0	(a) 7,89,000 0 0
3	The 13½ Lakhs Loan for the construction of quarters for Halalkhores and Bigaries ...	4 per cent.	1,500 0 0		1,500 0 0	(a)
4	25 Lakhs Loan for Sewerage, Water and other Sanitary Works ...	4 per cent.	1,000 0 0		1,000 0 0	(a)
5	24¾ Lakhs Loan for certain Sewerage and Water Works ...	4 per cent.	3,000 0 0		3,000 0 0	(a) ...
6	The 2nd 24¾ Lakhs Loan for certain Sewerage Works	4 per cent.	7,500 0 0		7,500 0 0	(a) 3,500 0 0
7	The 15 Lakhs Loan for Street Improvements ...	4 per cent.	15,00,000 0 0		15,00,000 0 0	(a)
8	The 30 Lakh Loan for the Acquisition of Sites for the Construction of Overbridges...	4 per cent.	30,00,000 0 0		30,00,000 0 0	(a)
9	The 70 Lakhs Loan for re-duplication of Tansa Main and other Auxiliary Works ...	4 per cent.	70,00,000 0 0		70,00,000 0 0	(a)
10	The 20 Lakhs Loan for Street Improvements ...	4 per cent.	20,00,000 0 0		20,00,000 0 0	(a)
11	The 10 Lakhs Loan for the Conversion of the Storm Water Reservoir at Clerk Road into a Public Park ...	5 per cent.	10,00,000 0 0		10,00,000 0 0	(a)
12	The 30 Lakhs Loan for the construction of Building and Drainage Works and the Acquisition of Land for different purposes	4 per cent.	30,00,000 0 0		30,00,000 0 0	(a)
13	160 Lakhs Loan for the Improvement of the Water Supply in Bombay (First Issue).	6 per cent.	67,77,000 0 0		67,77,000 0 0	(a)
	Carried over Rs. ...		2,96,12,000 0 0		2,96,12,000 0 0	7,92,500 0 0
	Carried over Rs. ...		3,80,66,857 14 9		3,80,66,857 14 9	46,24,533 7 0

A—The loan is payable in monthly instalments of Rs. 9,498 (Principal and Interest) out of Revenue. No Sinking Fund has been created for this loan.

B—This loan is repayable out of revenue in annual equal instalments including principal and interest based on the amortization of the loans within a period of 15 years No Sinking Fund has been created for this loan.

C—These loans are payable out of revenue in annual equal instalments including principal and interest based on the amortization of the loans within a period of 30 years. No Sinking Fund has been created for these loans.

D—These loans are raised for development purposes. The programmes of repayment have been approved under Corporation Resolutions Nos. 5253 of September 1928 and 81 of 3rd May 1934.

(a) As under the terms of these loans the bonds cannot be repaid to the holders before the dates stipulated in the debentures, the Sinking Fund has been invested as shown in detail in Appendix No. 10.

No 11.

April 1947 on the different Loans, the amount payable for the year 1947-48 the amount paid by the and the balances outstanding on 31st March 1948.

	Balance due on 31st March 1948.	Interest outstanding on 1st April 1947.	Interest payable in 1947-48	Total interest due	Deduct—Interest paid by the Imperial Bank of India and in Office.	Outstanding balance on 31st March 1948
	8	9	10	11	12	13
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
	4,91,990 7 9	...	21,756 14 0	21,756 14 0	21,756 14 0	...
	19,84,847 0 0	...	84,670 14 0	84,670 14 0	84,670 14 0	...
	14,29,986 8 0	...	92,006 9 0	92,006 9 0	92,006 9 0	...
	6,72,487 2 0	...	37,489 10 0	37,489 10 0	37,489 10 0	...
	33,62,350 6 0	...	2,16,336 13 0	2,16,336 13 0	2,16,336 13 0	...
	8,33,569 10 0	...	49,837 1 0	49,837 1 0	49,837 1 0	...
	21,60,587 3 0	...	1,29,175 13 0	1,29,175 13 0	1,29,175 13 0	...
	35,98,525 2 0	...	2,15,146 8 0	2,15,146 8 0	2,15,146 8 0	...
	42,30,143 14 0	...	2,52,909 6 0	2,52,909 6 0	2,52,909 6 0	...
	47,93,545 2 0	...	2,67,712 10 0	2,67,712 10 0	2,67,712 10 0	...
	8,74,757 3 9	...	48,853 15 0	48,853 15 0	48,853 15 0	...
	21,55,798 10 0	...	1,24,340 3 0	1,24,340 3 0	1,24,340 3 0	...
	17,24,633 12 0	...	99,471 15 0	99,471 15 0	99,471 15 0	...
	13,87,132 11 0	...	75,347 0 0	75,347 0 0	75,347 0 0	...
	18,49,486 12 0	...	1,00,461 9 0	1,00,461 9 0	1,00,461 9 0	...
	18,92,483 1 0	...	76,731 13 0	76,731 13 0	76,731 13 0	...
	3,34,42,324 7 9	...	18,92,248 9 0	18,92,248 9 0	18,92,248 9 0	...
			(b) 200 0 0	200 0 0	200 0 0	
	45,33,000 0 0	15,349 12 0	2,52,500 0 0	2,67,849 12 0	2,50,584 11 0	17,265 1 0
F	1,500 0 0	...	...	...		...
F	1,000 0 0	380 0 0	...	380 0 0	...	380 0 0
E	3,000 0 0	1,521 5 8	...	1,521 5 8	...	1,521 5 8
E	4,000 0 0	665 0 0	...	665 0 0	131 4 0	533 12 0
	15,00,000 0 0	2,718 14 0	60,000 0 0	62,718 14 0	59,873 12 0	2,845 2 0
	30,00,000 0 0	30,904 11 0	1,20,000 0 0	1,50,904 11 0	1,20,538 2 0	30,366 9 0
	70,00,000 0 0	9,412 10 2	2,80,000 0 0	2,89,412 10 2	2,80,012 8 0	9,400 2 2
	20,00,000 0 0	8,276 14 0	80,000 0 0	88,276 14 0	79,228 12 0	9,048 2 0
	10,00,000 0 0	...	50,000 0 0	50,000 0 0	50,000 0 0	...
	30,00,000 0 0	...	1,20,000 0 0	1,20,000 0 0	1,20,000 0 0	...
	67,77,000 0 0	55,258 13 0	4,06,620 0 0	4,61,878 13 0	3,91,690 5 0	70,188 8 0
	2,88,19,500 0 0	1,24,487 15 10	13,69,320 0 0	14,93,807 15 10	13,52,259 6 0	1,41,548 9 10 ...
	3,34,42,324 7 9	...	18,92,248 9 0	18,92,248 9 0	18,92,248 9 0	...

E—Debentures in respect of these loans have remained unpaid owing to their not having been surrendered for repayment upto 31st March 1948. The Debentures do not carry interest from and after the due dates and will be paid when surrendered for repayment by the holders, out of the Sinking Fund Investments.

F Stoppage is recorded against these Debentures.

(b) Debenture No. 02373 due on 1-6-40 was not presented by the holder within 6 years from the date of maturity & the amount thereof was Credited to Revenue, as the claim had become time barred. As the holder claimed the amount in the current year it was paid out of Revenue the amount of Rs. 200 representing unpaid interest on the debenture was paid by obtaining additionl grant during the current year.

Appendix

No.	Particulars of Loans.	Rate of Interest.	Balance due on 1st April 1947.	Amount raised in 1947-48.	Total.	Amount re-paid in 1947-48.
1	2	3	4	5	6	7
	Brought forward ...		Rs. a. p. 3,80,66,857 14 9	Rs. a. p.	Rs. a. p. 3,80,66,857 14 9	Rs. a. p. 46,24,533 7 0
	Brought forward ...		2,96,12,000 0 0		2,96,12,000 0 0	7,92,500 0 0
	Loans raised from the Public—*contd.*					
14	160 Lakhs Loan for the Improvement of the Water Supply in Bombay (Second Issue).	6 per cent.	92,23,000 0 0		92,23,000 0 0	(a)
15	Rs. 25 Lakhs Loan (1927-28) ...	5 per cent.	25,00,000 0 0		25,00,000 0 0	(a)
16	Rs. 37 Lakhs Loan (1929-30) ...	5 per cent.	26,21,500 0 0		26,21,500 0 0	(a)
17	Rs. 31.43 Lakhs Loan for the repayment of Rs. 40 Lakhs Loan due 19th December 1929 ...	5 per cent.	26,14,000 0 0		26,14,000 0 0	(a)
18	Rs. 28 Lakhs Loan for the repayment of Rs. 39,94,000 out of 6 per cent. 50 Lakhs Loan due 1st August 1929 ...	5 per cent.	8,45,500 0 0		8,45,500 0 0	(a)
19	Rs. 40 Lakhs Loan (1950-60) ...	6 per cent.	40,00,000 0 0		40,00,000 0 0	(a)
20	Rs. 9 Lakhs Loan (1935-36) ...	3½ per cent.	9,00,000 0 0		9,00,000 0 0	(a)
21	Rs. 24½ Lakhs Loan (1936-37)	3 per cent.	24,50,000 0 0		24,50,000 0 0	(a)
22	Rs. 30 Lakhs Loan (1937-38) ...	3 per cent.	30,00,000 0 0		30,00,000 0 0	(a)
23	Rs. 30 Lakhs Loan (1938-39) ...	3 per cent.	30,00,000 0 0		30,00,000 0 0	(a)
24	Rs. 64 Lakhs Loan (1939-40) ...	3 per cent.	64,00,000 0 0		64,00,000 0 0	(a)
25	Rs. 48 Lakhs Loan (1940-41)	3½ per cent.	48,00,000 0 0		48,00,000 0 0	(a)
26	Rs. 25 Lakhs Loan (1941-42) ...	3½ per cent.	25,00,000 0 0		25,00,000 0 0	(a)
27	Rs. 20 Lakhs Loan (1943-44) ...	3½ per cent.	20,00,000 0 0		20,00,000 0 0	(a)
28	Rs. 22 Lakhs Loan (1944-45) ...	3½ per cent.	22,00,000 0 0		22,00,000 0 0	(a)
29	Rs. 25 Lakhs Loan (1945-46) ...	3½ per cent.	25,00,000 0 0	...	25,00,000 0 0	
30	Rs. 54 Lakhs Loan (1945-46) ...	3 per cent.	15,00,000 0 0	20,00,000	35,00,000 0 0	
31	Rs. 75 Lakhs Loan (1947-48) ...	3½ per cent.	...	75,00,000	75,00,000 0 0	
	Total Loans raised from the public ...		8,26,66,000 0 0	95,00,000	9,21,66,000 0 0	7,92,500 0 0
	Advances from Special Funds for Capital Works.					
1	Rs. 8½ lakhs Advance from Plant and Machinery Depreciation Fund (1931-32)	5 per cent.	5,55,487 4 0		5,55,487 4 0	25,742 10 0
	Rs. 13 lakhs Advance from Special Fund (1932-33)					
2	Rs. 8 lakhs from Renewal of Road Surfaces Fund ...	4½ per cent.	5,43,053 14 0		5,43,053 14 0	23,902 9 0
3	Rs. 1½ lakhs from Plant and Machinery Depreciation Fund ...	4½ per cent.	1,01,817 7 0		1,01,817 7 0	4,482 4 0
4	Rs. 3½ lakhs from Plant and Machinery Depreciation Fund ...	4½ per cent.	2,51,553 8 0		2,51,553 8 0	10,167 1 0
	Rs. 11 lakhs Advance from Special Funds (1933-34).					
5	Rs. 5 lakhs form Municipal Fire and Accident Insurance Fund ...	4 per cent.	3,51,771 11 0		3,51,771 11 0	14,844 2 0
6	Rs. 3 lakhs from Renewal of Road Surfaces Fund ...	4 per cent.	2,19,627 1 0		2,19,627 1 0	8,563 15 0
7	Advance from Net Premia fund for repayment of an advance from Fines Fund ...	4 per cent.	2,11,063 2 0		2,11,063 2 0	8,506 8 0
	Rs. 8.69 lakhs Advance form Special Funds					
8	Rs. 5 lakhs from Net Premia Fund ...	4 per cent.	3,66,044 14 0		3,66,044 14 0	14,273 3 0
9	Rs. 3.69 lakhs from Net Premia Fund ...	4 per cent.	2,80,273 6 0		2,80,273 6 0	10,128 1 0
	Advances from Land Sales Reserve Fund					
10	Rs. 18.75 lakhs (1937-38) ...	3 per cent.	6,89,204 7 5		6,89,204 7 5	5,17,634 2 5
11	Rs. 3.50 lakhs (1938-39) ...	3 per cent.	3,50,000 0 0		3,50,000 0 0	...
	Advances for purchase of Plant and Machinery from Net Premia Fund—		39,19,896 10 5	...	39,19,896 10 5	6,38,644 7 5
12	Advance of Rs. 83,000 taken in 1936-37 ...	3 per cent.	35,791 12 0		35,791 12 0	5,534 4 0
13	Advance of Rs.1,91,500 taken in 1937-38...	3 per cent.	70,542 4 0		70,542 4 0	10,905 12 0
14	Advance of Rs.2,16,600 taken in 1938-39...	3 per cent.	97,550 0 0		97,550 0 0	9,601 8 0
15	Advance of Rs.1,71,400 taken in 1939-40...	3 per cent.	56,406 0 0		56,406 0 0	5,551 13 0
16	Advance of Rs. 40,100 taken in 1940-41 ...	3 per cent.	23,489 2 0		23,489 2 0	3,066 5 0
17	Advance of Rs. 43,200 taken in 1941-42 ...	3 per cent.	32,661 6 0		32,661 6 0	2,301 3 0
18	Advance of Rs. 27,100 taken in 1942-43 ...	3 per cent.	18,247 7 0		18,247 7 0	2,381 9 0
19	Advance of Rs. 73,566 taken in 1943-44 ...	3 per cent.	57,542 11 0		57,542 11 0	5,664 11 0
20	Advance of Rs. 89,537-4-6 taken in 1944-45	3 per cent.	76,730 4 6		76,730 4 6	6,693 2 0
21	Advance of Rs. 55,216-4-0 taken in 1945-46	3 per cent.	50,903 12 0		50,903 12 0	4,441 14 0
22	Advance of Rs. 1,08,567-5-0 taken in 1946-47	3 per cent.	1,08,567 5 0		1,08,567 5 0	5,220 0 0
23	Advance of Rs. 97,972-4-0 taken in 1947-48	3 per cent.	...	97,972 4 0	97,972 4 0	...
	Total ...		6,28,431 15 6	97,972 4 0	7,26,404 3 6	61,362 1 0
	Advance from Net Premia Fund for meeting expenditure on Renewal of Road Surface for which no provision exists in the Renewal of Road Surface Fund—					
23	Advance of Rs. 31,200 taken in 1940-41 ...	3 per cent.	20,346 0 0		20,346 0 0	2,003 10 0
24	Advance of Rs. 33,800 taken in 1941-42 ...	3 per cent.	24,153 4 0		24,153 4 0	2,106 7 0
25	Advance of Rs. 26,072-10-0 taken 1943-44	3 per cent.	21,739 12 0		21,739 12 0	1,531 13 0
26	Advance of Rs. 38,571-7-0 taken in 1944-45	3 per cent.	34,361 8 0		34,361 8 0	2,200 2 0
27	Advance of Rs. 94,206-7-0 taken in 1945-46	3 per cent.	89,139 10 0		89,139 10 0	5,218 13 0
28	Advance of Rs.41,427-6-0 taken in 1946-47	3 per cent.	41,427 6 0		41,427 6 0	985 3 0
29	Advance of Rs.2,10,967-8-0 taken in 194748			2,10,967 8 0	2,10,967 8 0	
	Total ...		2,31,167 8 0	2,10,967 8 0	4,42,135 0 0	14,046 0 0
	Advance from Net Premia Fund for the purchase of Indian Military Hospital at Dharavi					
1	Advance Rs. 1,99,448-12 taken in 1947-48	3 Per cent.	...	1,99,448 12 0	1,99,448 12 0	...
			...	1,99,448 12 0	1,99,448 12 0	...
	Total Advances from Special Funds ...		47,79,496 1 11	5,08,388 8 0	52,87,884 9 11	7,14,052 8 5
	Grand Total ...		12,55,12,354 0 8	1,00,08,388 8 0	13,55,20,742 8 8	61,31,085 15 5

(a) As under the terms of these loans the bonds cannot be repaid to the holders before the dates stipulated in the debentures, the Sinking Fund has been invested as shown in detail in Appendix No. 10.

J. K. DARUVALA,
Chief Accountant.

No. 11—*concluded.*

Balance due on 31st March 1948.	Interest outstanding on 1st April 1947	Interest payable in 1947-48	Total Interest due.	Deduct—Interest paid by the Imperial Bank of India and in Office.	Outstanding Balance on 31st March 1948
8	9	10	11	12	13
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
3,34,42,324 7 9	...	18,92,248 9 0	18,92,248 9 0	18,92,248 9 0	...
2,88,19,500 0 0	1,24,487 15 10	13,69,320 0 0	14,93,807 15 10	13,52,259 6 0	1,41,548 9 10
92,23,000 0 0	45,719 1 0	5,53,380 0 0	5,99,099 1 0	5,40,352 8 0	58,746 9 0
25,00,000 0 0	...	1,25,000 0 0	1,25,000 0 0	1,25,000 0 0	...
26,21,500 0 0	7,633 9 0	1,31,075 0 0	1,38,708 9 0	1,22,411 14 0	16,296 11 0
26,14,000 0 0	28,015 12 0	1,30,700 0 0	1,58,715 12 0	1,34,949 6 0	23,766 6 0
8,45,500 0 0	3,776 11 0	42,275 0 0	46,051 11 0	41,183 12 0	4,867 15 0
40,00,000 0 0	39,104 11 0	2,40,000 0 0	2,79,104 11 0	2,41,389 6 0	37,715 5 0
9,00,000 0 0	47,250 0 0	31,500 0 0	78,750 0 0	63,000 0 0	15,750 0 0
24,50,000 0 0	...	73,500 0 0	73,500 0 0	73,500 0 0	...
30,00,000 0 0	...	90,000 0 0	90,000 0 0	90,000 0 0	...
30,00,000 0 0	...	90,000 0 0	90,000 0 0	90,000 0 0	...
64,00,000 0 0	...	1,92,000 0 0	1,92,000 0 0	1,92,000 0 0	...
48,00,000 0 0	...	1,68,000 0 0	1,68,000 0 0	1,68,000 0 0	...
25,00,000 0 0	...	87,500 0 0	87,500 0 0	87,500 0 0	...
20,00,000 0 0	...	70,000 0 0	70,000 0 0	70,000 0 0	...
22,00,000 0 0	...	77,000 0 0	77,000 0 0	77,000 0 0	...
25,00,000 0 0	...	87,500 0 0	87,500 0 0	87,500 0 0	...
35,00,000 0 0	...	1,57,541 0 0	1,57,541 0 0	82,625 0 0	*74,916 0 0
75,00,000 0 0	...	1,12,500 0 0	1,12,500 0 0	97,594 6 0	14,905 10 0
9,13,73,500 0 0	2,95,987 11 10	38,28,791 0 0	41,24,778 11 10	37,36,265 10 0	3,13,597 1 10 *74,916 0 0
5,29,744 10 0	...	27,774 6 0	27,774 6 0	27,774 6 0	...
5,19,151 5 0	...	24,437 7 0	24,437 7 0	24,437 7 0	...
97,335 3 0	...	4,581 12 0	4,581 12 0	4,581 12 0	...
2,41,386 7 0	...	11,319 15 0	11,319 15 0	11,319 15 0	...
3,36,927 9 0	...	14,070 14 0	14,070 14 0	14,070 14 0	...
2,11,063 2 0	...	8,785 1 0	8,785 1 0	8,785 1 0	...
2,02,156 10 0	...	8,442 8 0	8,442 8 0	8,442 8 0	...
3,51,771 11 0	...	14,641 13 0	14,641 13 0	14,641 13 0	...
2,70,145 5 0	...	11,210 15 0	11,210 15 0	11,210 15 0	...
1,71,570 5 0	...	20,677 0 0	20,677 0 0	20,676 2 0	*0 14 0
3,50,000 0 0	...	10,500 0 0	10,500 0 0	10,500 0 0	...
32,81,252 3 0	...	1,56,441 11 0	1,56,441 11 0	1,56,440 13 0	*0 14 0
30,257 8 0	...	1,073 12 0	1,073 12 0	1,073 12 0	...
59,636 8 0	...	2,116 4 0	2,116 4 0	2,116 4 0	...
87,948 8 0	...	2,926 8 0	2,926 8 0	2,926 8 0	...
50,854 3 0	...	1,692 3 0	1,692 3 0	1,692 3 0	...
20,422 13 0	...	704 11 0	704 11 0	704 11 0	...
30,360 3 0	...	979 13 0	979 13 0	979 13 0	...
15,865 14 0	...	547 8 0	547 8 0	547 7 0	*0 1 0
51,878 0 0	...	1,726 5 0	1,726 5 0	1,726 5 0	...
70,037 2 6	...	2,301 14 0	2,301 14 0	2,301 14 0	...
46,461 14 0	...	1,527 2 0	1,527 2 0	1,527 2 0	...
1,03,347 5 0	...	14,103 0 0	14,103 0 0	3,257 0 0	*10,846 0 0
97,972 4 0					
6,65,042 2 6	...	29,699 0 0	29,699 0 0	18,852 15 0	*10,846 1 0
18,342 6 0	...	610 6 0	610 6 0	610 6 0	...
22,046 13 0	...	724 9 0	724 9 0	724 9 0	...
20,207 15 0	...	652 3 0	652 3 0	652 3 0	...
32,161 6 0	...	1,030 14 0	1,030 14 0	1,030 14 0	...
83,920 13 0	...	2,674 3 0	2,674 3 0	2,674 3 0	...
40,442 3 0	...	10,620 0 0	10,620 0 0	1,242 13 0	*9,377 3 0
2,10,967 8 0					
4,28,089 0 0	...	16,312 3 0	16,312 3 0	6,935 0 0	*9,377 3 0
1,99,448 12 0			...	...	...
1,99,448 12 0	...	...	...	...	...
45,73,832 1 6	...	2,02,452 14 0	2,02,452 14 0	1,82,228 12 0	*20,224 2 0
12,93,89,656 9 3	2,95,987 11 10	59,23,492 7 0	62,19,480 2 10	58,10,742 15 0	3,13,597 1 10 *95,140 2 0

* To be treated as savings.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 12.

WATER WORKS ACCOUNT.

Revenue Account for the year ended 31st March 1948.

INCOME.	Rs.	EXPENDITURE.	Rs.
Water Tax and other Miscellaneous Water Works Revenue—*Vide* details in Appendix —No. 3) ...	1,36,65,062	General Superintendence (⅛th proportion of) ...	2,21,403
*This includes Rs. 88,99,778 being the amount of Water Tax by measurement, realised during 1947-48 as shown in the following statement :—		Assessment and collection Charges (3/10th proportion of) ...	2,65,434
		Provident Fund & Pension on charges ...	1,52,797
		Works to be carried out from the amount transsferred out of P.W.R. Fund,...	3,272
		Maintenance of Water Works (*vide* Appendix No. 4) ...	22,37,371
		New Works (*vide* Appendix No. 4) ...	27,813
		Surplus carried down ...	1,07,56,972
Total Rs. ...	1,36,65,062	Total Rs. ...	1,36,65,062

Net Revenue Account for the year ended 31st March 1948.

	Rs.		Rs.
Surplus brought down ...	1,07,56,972	Interest on Water Works Loans (Debt) ...	
		Due to Government—	
		Vehar Debt	21,757
		75 Lakhs out of 1½ Crores Loan	93,117
		65 Lakhs Loan for Tansa Triplication Scheme	1,29,176
		2 Crores Loan for Major Development Works	2,39,373
		2½ Crores Loan for General Supervision, Water Works, etc.	3,120
		150 Lakhs Loan 1925-26	2,74,409
		82.67 Lakhs Conversion Loan	40,509
			8,01,461
		Due to the Public—	
		9 Lakhs Loan	9,838
		147 Lakhs Tansa Water Works Loan	2,50,585
		25 Lakhs Sewerage, etc., Works Loan	1,253
		70 Lakhs for Reduplication of the Tansa Main and other Auxiliary Works...	2,79,642
		160 Lakhs for Improvement of water supply in Bombay	9,32,043
		31.43 Lakhs Loan	33,737
		37 Lakhs Loan	1,932
		40 Lakhs Loan	7,981
		24½ Lakhs Loan(1936-37)	16,258
		30 Lakhs Loan (1937-38)	26,045
		30 Lakhs Loan (1938-39)	27,819
		64 Lakhs Loan (1939-40)	22,408
		48 Lakhs Loan (1940-41)	24,189
		25 Lakhs Loan (1941-42)	41,495
		20 Lakhs Loan (1943-44)	22,805
		22 Lakhs Loan (1944-45)	39,919
		54 Lakhs Loan (1946-47)	41,240
		75 Lakhs Loan (1947-48)	34,191
			18,13,380
		Advances from Special Funds—	289
		Rs. 8½ Lakhs advance from Plant and Machinery Depreciation Fund ...	907
		Rs. 3 Lakhs advance from Renewal of Road Surface Fund	1,075
		Rs. 3,69 Lakhs advance from Net Premia Fund	430
		Rs. 83,000 advance from Net Premia Fund	407
		Rs. 2,16,600 from Net Premia Fund	240
		Rs. 1,71,400 Do. do.	294
		Rs. 40,100 Do. do.	148
		Rs. 43,200 Do. do.	527
		Rs. 27,100 Do. do.	807
		Rs. 73,566 Do. do.	1,249
		Rs. 89,537 4 6 Do. do.	860
		Rs. 55,216 4 0 Do. do.	2,765
		Rs. 1,08,567 4 Do. do.	9,998
			26,24,839
		Commission to the Imperial Bank of India for payment of Interest on the Water Works portion of the different Loans	5,908 929
		Miscellaneous Loan Charges including Commission paid to the Imperial Bank of India for drawing interest on Sinking Fund Investments ...	6,837
		Accrued interest on 25 Lakhs Loan	2,555
		Reduction of debt or investment of Sinking Fund of the following Water Works Loans:—	
		Vehar Debt	92,219
		Tansa Water Works Loan of Rs. 147 Lakhs	5,36,040
Carried forward ...	1,07,56,972	Carried forward ...	6,28,259
		Carried forward ...	26,34,231

(Supplimentary to Appendix 12A)

Statement showing the quantity of water by meter supplied under different Sub-heads and the Water Tax by measuremcnt realized at different rates for the uniform quantity of 1,000 gallons, as required by Corporation Resolution No. 6570 of 15th February 1912.

PARTICULARS.	1942-43.		1943-44.		1944-45.		1945-46		1946-47		1947-48.	
	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.	Gallons.	Amount.
1 Hotels ...	6,21,57,960	Rs. a. p. @ As. 14 0 54,250 @ As. 10 0	7,03 52,450	Rs. a. p. @ As. 14 0 61,558 @ As. 14 0	6,94,36,190	Rs. a. p. @ As. 14 0 60,756 11 0 @ As. 14 0	6,97,18,820	Rs. a. p. @ As. 14 0 61,004 1 0 Rs. 1 8 0	8,41,35,410	Rs. a. p. Rs. 1 0 0 78,198 9 0 Rs. 1 8 0	11,94,59,466	Rs. a. p. Rs. 1 0 0 1,18,954 5 0 Rs. 1 8 0
2 Cotton Factories ...	2.91,46,32,960	21,75,575 @ As. 14 0	2,94,17,03,427	25,73,731 @ As. 14 0	3,34,46,39,256	32,23,334 1 0 @ As. 14 0	2,90,02,06,404	38,86,823 7 0 @ As. 14 0	3,28,64,54,039	48,89,210 8 0 Rs. 1 0 0	3,18,81,24,228	33,94,134 15 0 Rs. 1 0 0
3 Flour Mills ...	1,19,33,000	10,441 @ As. 14 0	47,13,000	4,124 @ As. 14 0	59,43,300	5,200 6 0 @ As. 14 0	43,59,000	3,814 2 0 @ As. 14 0	88,17,600	7,944 8 0 Rs. 1 0 0	44,99,000	4,499 0 0 Rs. 1 0 0
4 Other Factories ...	58,57,68,431	5,08,183 @ As. 10 0	64,39,31,395	5,52,363 @ As. 10 0	68,14,52,354	6,06,407 11 0 @ As. 10 0	70,91,32,253	6,20,175 0 0 @ As. 10 0	73,95,93,402	6,72,554 1 0 @ As. 10 0	74,70,01,776	7,19,667 14 0 @ As. 10 0
5 Milch Cattle Stables ...	19,17,49,523	1,18,687 @ As. 10 0	16,51,70,560	1,03,232 @ As. 10 0	18,63,04,400	1,18,246 10 0 @ As. 10 0	18,69,90,310	1,15,062 9 0 @ As. 10 0	11,83,86,252	1,01,352 1 0 @ As. 10 0	22,29,86,229	1,39,385 2 0 @ As. 10 0
6 Government Properties (a) ...	58,19,10,790	3,63,694 @ As. 10 0	81,43,40,980	5,07,034 @ As. 10 0	84,09,32,620	5,25,332 14 0 @ As. 10 0	9,38,83,32,150	6,03,697 10 0 @ As. 10 0	1,31,71,97,130	8,07,986 13 0 @ As. 10 0	1,09,82,17,290	6,51,002 11 0 @ As. 10 0
7 Railways ...	49,79,65,100	3,11,228 @ As. 14 0	63,04,33,000	3,94,021 @ As. 14 0	57,59,64,800	3,59,978 0 0 @ As. 14 0	60,48,03,000	3,78,002 1 0 Rs. 2 0 0	81,32,52,000	5,13,250 4 0 Rs. 2 0 0	94,00,17,500	5,86,856 9 0 Rs. 2 0 0
8 Port Trust ...	63,02,03,860	5,51,428 At different rates.	68,07,45,590	5,95,652 At different rates.	78,56,42,977	7,83,444 6 0 At different rates.	79,41,73,590	12,09,674 3 0 At different rates.	84,73,11,800	16,94,623 7 0 At different rates.	84,07,10,315	16,80,913 2 0 At different rates.
9 Suburbs (b) ...	1,23,35,07,960	4,68,384 At different rates.	1,31,44,41,980	5,08,492 At different rates.	1,38,37,45,693	5,27,316 0 0 At different rates.	1,27,79,27,734	5,51,886 15 0 At different rates.	1,47,32,02,404	5,55,299 2 0 At different rates.	1,41,25,97,048	6,72,514 15 0 At different rates.
10 Miscellaneous (c)	87,39,71,395	6,32,983	78,58,75,153	5,83,690	79,23,48,883	6,41,015 8 0	75,62,41,967	6,61,756 11 0	1,05,50,63,203	9,51,437 2 0	1,03,91,41,950	9,31,849 1 0
Total	7,58,38,00,979	51,94,853	8,05,17,07,535	58,83,897	8,66,64,10,473	68,51,032 3 0	16,69,18,85,228	80,91,896 11 0	9,74,34,13,240	1,02,71,856 7 0	9,61,27,54,802	88,99,777 10 0

(a) The rates charged are in accordance with the Water Rules for the respective years.
(b) The rates charged are Annas 6 to Annas 12 per 1,000 gallons.
(c) The rates charged vary from Annas 10 to Rs. 3.

Appendix No. 12—*Concluded.*

WATER WORKS ACCOUNT.

Net Revenue Account for the year ended 31st March 1948—concluded.

INCOME—*Concld.*	Rs.	EXPENDITURE—*concld.*	Rs.
		Brought forward ...	20,34,231
Brought forward Rs....	1,07,56,972		
		Brought forward Rs. ...	6,28,259
		70 Lakhs Loan for Reduplication of the Tansa Main and other Auxiliary Works	78,045
		1½ Crores Loan for Drainage, Water, etc., Works (2nd instalment) ...	2,58,602
		65 Lakhs Loan for Tansa Triplication Scheme	2,99,905
		2 Crores Loan for Major Development Works	4,53,515
		160 Lakhs Loan for improvement of the water supply in Bombay	2,85,280
		2½ Crores Loan for General Supervision, Water Works, etc., purposes ...	7,244
		150 Lakhs Loan 1925-26	4,48,236
		25 Lakhs Loan 1927-28	485
		31.43 Lakhs Loan	12,659
		37 Lakhs Loan	800
		40 Lakhs Loan	2,562
		82.67 Lakhs Conversion Loan	2,96,815
		24½ Lakhs Loan (1936-37)	11,392
		9 Lakhs Loan	2,954
		30 Lakhs Loan (1937-38)	18,248
		30 Lakhs Loan (1938-39)	19,492
		64 Lakhs Loan (1939-40)	15,702
		48 Lakhs Loan of (1940-41)	14,526
		25 Lakhs Loan of (1941-42)	24,919
		20 Lakhs Loan of (1943-44)	13,695
		22 Lakhs Loan of (1944-45)	23,975
		54 Lakhs Loan of (1946-47)	56,654
		8½ Lakhs advance from Plant and Machinery Depreciation Fund	269
		3 Lakhs advance from Renewal of Road Surfaces Fund	884
		3.69 Lakhs advance from Net Premia Fund	970
		83,000 Advance from Net Premia Fund	2,214
		2,16,600 Advance from Net Premia Fund	1,332
		1,71,400 ,, ,, ,, ...	789
		40,100 ,, ,, ,, ...	1,282
		43,200 ,, ,, ,, ...	348
		27,100 ,, ,, ,, ...	2,292
		73,566 ,, ,, ,, ...	2,646
		89,537-4-6 ,, ,, ,, ...	3,631
		55,216-4 ,, ,, ,, ...	2,500
		1,08,567-4-0 ,, ,, ,, ...	4,431
			29,97,552
		Surplus— Total Debt Charges	56,31,783
		Excess of Income over Expenditure	51,25,189
Total Rs. ...	1,07,56,972	Total Rs. ...	1,07,56,972

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

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Appendix No. 12-A.

WATER WORKS ACCOUNT.

Schedule of Liabilities and Assets at 31st March 1948.

LIABILITIES.	Rs.	ASSESTS.	Rs.
I.—DEBT PRINCIPAL—		I.—PROPERTIES—	
Due to Government—			
Vehar Debt	4,91,991		
82.67 Lakhs Conversion Loan	9,49,606		
75 Lakhs out of 1½ Crores Loan	15,11,829	Water Works executed out of Loan, Surplus and Reserve Funds (*vide* Appendix No. 8)	
2½ Crores Loan	52,188		
65 Lakhs Loan for Tansa Triplication Scheme	21,60,587	Out of Loan Reserve Funds—	
2 Crores Loan for Major Development Works	42,15,533		
150 Lakhs Loan (1925-26)	49,45,215	Ordinary Works	5,50,70,394
Total ...	1,43,26,949		
Due to the Public—		Tansa Completion Works ...	4,99,46,291
Tansa Water Works Loan of 147 Lakhs	45,33,000		
Water Works portion of the 25 Lakhs Loan for Sewerage, Roads and other Works	93	Works executed out of Worn-out Water Mains Renewal Fund	9,64,434
Water Works portion of the 24¾ Lakhs Loan for certain Sewerage and Water Works	735	Plant and Machinery Rs. 3,87,029	
70 Lakhs Loan for the Reduplication of the Tansa Main and other Auxiliary Works	69,90,737	*Less*—Written off ... 82,284	
160 Lakhs Loan for the improvement of the water-supply in Bombay ...	1,60,00,000		3,04,745
Water Works portion of the 25 Lakhs Loan (1927-28)	25,060		
Water Works portion of 31-43 Lakhs Loan	6,53,500		
Water Works portion of 37 Lakhs Loan	38,620		
Water Works portion of 40 Lakhs Loan (1928-29)	1,32,250		
Water Works portion of Rs. 9 Lakhs Loan	1,40,534		
Water Works portion of 24½ Lakhs Loan (1936-37)	5,36,517	II.—INVESTMENTS—	
Water Works portion of 30 Lakhs Loan (1937-38)	8,59,545		
Water Works portion of 30 Lakhs Loan (1938-39)	9,18,028	1. Imperial Bank of India—Municipal Loans Sinking Fund Deposit Account —(Water Works portion) ...	1,55,06,534
Water Works portion of 64 Lakhs Loan 1939-40)	7,39,529		
Water Works portion of 48 Lakhs Loan (1940-41)	6,84,174		
Water Works portion of 25 Lakhs Loan (1941-42)	11,73,642		
Water Works portion of 20 Lakhs Loan (1943-44)	6,41,738		
Water Works portion of 22 Lakhs Loan. (1944-45)	11,23,417		
Water Works portion of 54 Lakhs Loan. (1946-47)	26,51,171	2. Imperial Bank of India—Worn-out Water Mains Renewal Fund Deposit Account (*vide* Appendix No. 6) ...	92
Water Works portion of 75 Lakhs Loan. (1947-48)	25,85,497		
	4,04,27,787		
Advances from Special Funds—			
Rs. 8½ Lakhs Advance from Plant and Machinery Depreciation Fund ...	5,518		
Rs. 3 Lakhs Advance from Renewal of Road Surfaces Fund ...	21,792		
Rs. 3.69 Lakhs Advance from Net Premia Fund	25,904	3. Imperial Bank of India—Net Premia on different Municipal Loans Deposit Account (*vide* note* to Appendix No. 6) ...	19,65,081
	53,214		
Rs. 83,000 Advance from Net Premia Fund for purchase of Plant and Machinery	12,108		
Rs. 2,16,600 Advance from Net Premia Fund for purchase of Plant and Machinery	12,216		
Rs. 1,71,400 Advance from Net Premia Fund for purchase of Plant and Machinery	7,227		
Rs. 40.100 Advance from Net Premia Fund for purchase of Plant and Machinery in 1940-41	8,531		
Rs. 43.200 Advance from Net Premia Fund for purchase of Plant and Machinery in 1941-42...	4,594		
Rs. 27,100 Advance from Net Premia Fund for purchase of Plant and Machinery in 1942-43	15,269		
Rs. 73,566 Advance from Net Premia Fund for purchase of Plant and Machinery in 1943-44	24,242		
Rs. 89,537-4-6 Advance from Net Premia Fund for purchase of Plant and Machinery in 1944-45	37,998		
Rs. 55,216-4-0 Advance from Net Premia Fund for purchase of Plant and Machinery in 1945-46.	25,195		
Rs. 1,08,567-5-0 advance from Net premia Fund for purchase of Plant and Machinery in 1946 47. ... — —	87,739		
Rs. 97,972-4-0 Advance from Net Premia Fund for purchase of Plant and Machinery in 1947-48	69,626		
	3,04,745		
II.—SINKING FUNDS ON MUNICIPAL LOANS (invested as per contra) ...	1,55,06,534		
III.—SPECIAL FUNDS—			
Worn-out Water Mains Renewal Fund (invested as per contra) ...	92		
Net Premia Fund (invested as per contra)	19,65,081		
IV.—CAPITAL ACCOUNT—			
General Reserve being Assets in excess of Liabilities 5,12,55,453			
Less—Assets Written off 82,284	5,11,73,169		
Total ...	12,37,57,571	Total ...	12,37,57,571

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 13.

MARKETS AND SLAUGHTER HOUSES ACCOUNT.

Revenue Account for the year ended 31st March 1948.

INCOME.	Rs.	EXPENDITURE.	Rs.
Income for the year—*vide* details in Appendix No. 3	29,83,164	General Superintendence (2½ per cent. proportion of)	44,281
		Provident Fund and Pension etc., charges	43,691
		Maintenance Charges of Markets and Slaughter Houses (*vide* Appendix No. 4) Amount shown under IX.—Mechanical, D.—Transport, (11) Markets and Slaughter Houses, and E.—Refrigerator	1,57,709
		Amount shown under XIV.—Markets and Slaughter Houses	7,25,268
		New Works (*vide* Appendix No. 4)	4,793
		Surplus carried down ...	20,07,422
	29,83,164	Total Rs. ...	29,83,164

Net Revenue Account for the year ended 31st March 1948.

	Rs.	**Interest on Loans.**	Rs.
		Due to Government—	
		Rs. 1½ Crores Loan	1,434
Surplus brought down ...	20,07,422	Rs. 140 Lakhs Loan	15,351
		Rs. 2 Crores Loan	19,921
		Rs. 82,67 Lakhs Conversion Loan	3,124
			39,830
		Due to public—	
		Rs. 30 Lakhs Loan	8,000
		Rs. 24½ Lakhs Loan	848
		Rs. 30 Lakhs Loan (1937-38)	2,327
		Rs. 30 Lakhs Loan (1938-39)	4,465
		Rs. 48 Lakhs Loan (1940-41)	4,852
		Rs. 25 Lakhs Loan (1941-42)	2,679
		Rs. 20 Lakhs Loan (1943-44)	591
		Rs. 22 Lakhs Loan (1944-45)	847
		Rs. 54 Lakhs Loan (1946-47)	3,292
		Rs. 75 Lakhs Loan (1947-48)	539
			28,440
		Advance from Special Funds—	
		Rs. 8½ Lakhs from Plant and Machinery Depreciation Fund	1,507
			69,777
		Commission to the Imperial Bank of India for the payment of Interest on the portions of the different Loans	40
		Miscellaneous Loan Charges including Commission paid to the Imperial Bank of India for drawing interest on Sinking Fund Investments... ...	19
			59
		Accrued interest on Rs. 25 Lakhs Loan	40
		Reduction of Debt or Investment of Sinking Fund.	
		Rs. 30 Lakhs Loan	3,874
		Rs. 24½ Lakhs Loan	593
		Rs. 30 Lakhs Loan (1937-38)	1,630
		Rs. 1½ Crores Loan	3,978
		Rs. 140 Lakhs Loan	40,059
		Rs. 2 Crores Loan	41,725
		Rs. 82.67 Lakhs Conversion Loan	24,579
		Rs. 8½ Lakhs advance from Plant and Machinery Depreciation Fund ...	1,401
		Rs. 30 Lakhs Loan (1938-39)	3,128
		Rs. 48 Lakhs Loan (1940-41)	2,914
		Rs. 25 Lakhs Loan (1941-42)	1,608
		Rs. 20 Lakhs Loan (1943-44)	355
		Rs. 22 Lakhs Loan (1944-45)	509
		Rs. 54 Lakhs Loan (1946-47)	4,523
			1,30,876
		Total Debt Charges ...	2,00,752
		Surplus —Excess of Income over Expenditure ...	18,06,670
Total Rs. ...	20,07,422	Total Rs. ...	20,07,422

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 14.

MUNICIPAL PRINTING PRESS.

Income and Expenditure for the year 1947-48.

Expenditure.			Details.	Amount.	Income.		Details.	Amount.
			Rs.	Rs.			Rs.	Rs.
Materials on hand and works in progress on 1st April 1947		...		97,108				
	Rs.							
Expenditure during the year—								
Establishment—								
(*a*) Permanent	...	36'944						
(*b*) Allowances		11,493	48,437					
Labour		...	1,61,924					
Materials		...	1,22,448					
Out Work		...	2,722					
Electric Power		...	1,930		Amount chargeable to the departments for work done	...	3,22,243	
Contingencies—								
(*a*) Contingencies	...	2,270						
(*b*) Printing and Stationery	...	1,955						
(*c*) Delivery Charges	...	2,914			do. Supplementary bills due to Revision of grades.	...	26,500	3,48,743
(*d*) Books and Dead Stock	...	770						
(*e*) Lighting	...	1,324						
			9,233					
Repairs to Machinery		...	1,988		Amount chargeable to the private parties for work done	...		2,178
Rent		...	6,000					
Provident Fund		...	9,150					
					Amount of sale of waste paper & Metal ash	...		1,243
Debt charges—								
(1) Interest*	...	10,772						
(2) Repayment of capital	...	5,460						
			16,232		*Stock at close*—			
Proportionate Share of T. A. O.'s Salary		...	2,000					
				3,82,064	Works in progress	...	37,767	
Private Works—								
Labour		...	1,238		Materials on hand	...	93,015	
Materials		...	309					1,30,782
Contingencies		...	362					
Proportionate share of T.A.O.'s Salary		...	48	1,957				
				4,81,129				
Difference representing surplus (1) Rs. 1,596 on departmental works and (2) Rs. 221 on private works transferred to revenue.				1,817				
				4,82,946				4,82,946

* Exclusive of interest amounting to Rs. 1,532 due but not adjusted.

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 14—A.

Statement of Advance for 1947-48.

Name of Account.	Opening Balance on 1st April 1947.	Debits during 1947-48.	Total.	Credit during 1947-48.	Closing Balance on 31st March 1948.
	Rs.	Rs.			
Departmental Works—					
Water Works ...	41,388	18,027	59,415	18,986	40,429
Printing Press ...	2,03,674	3,82,064	5,85,738	3,38,525	2,47,213(*a*)
Workshops ...	1,54,538	2,79,056	4,33,594	2,33,221	2,00,373
Architectural Branch ...	1,13,292	2,22,193	3,35,485	2,45,277	90,208
Roads, Buildings and Drainage ...	5,04,193	6,89,913	11,94,106	7,26,792	4,67,314
Health Department ...	1,600	8,415	10,015	6,623	3,392
Total ...	"10,18,685	15,99,668	26,18,353	15,69,424	10,48,929
Private Works—					
Workshops ...	2,422	2,359	4,781	1,814	2,967
Water Works ...	1,14,402	1,03,900	2,18,302	48,261	1,70,041
Roads, Buildings and Drainage ...	2,46,473	1,52,127	3,98,600	1,68,285	2,30,315
Architectural Branch ...	4,029	5,008	9,037	5,536	3,501
Health Department ...	1,018	1,185	2,203	325	1,878
Printing Press ...	1,120	1,957	3,077	2,833	244
House Numbering ...	7	...	7	...	7
Total ...	3,69,471	2,66,536	6,36,007	2,27,054	4,08,953
Asphalt Plant, Crushers, etc.—					
Asphalt Plant ...	1,54,595	4,17,843	5,72,438	3,63,397	(*b*)2,09,041
Sewri Crushers ...	19,038	73,780	92,818	74,304	)c)18,514
Mechanical Transport ...	61,413	1,23,113	1,84,526	1,47,222	(*d*)37,304
Worli Crushers ...	34,647	1,05,886	1,40,533	1,12,736	(*e*)27,797
Manufacture of Pre-cas Concrete Slabs ...	3,296	...	3,296	339	(*f*) 2,957
Total ...	2,72,989	7,20,622	9,93,611	6,97,998	2,95,613
Municipal Officers—					
Dshonoured cheques ...	...	12,73,450	12,73,450	12,73,450	...
Standing advance for Contingent Expenses ...	25,507	3,432	28,939	7	28,932
Motor cars and motor cycles to officers ...	8,036	15,870	23,906	5,892	18,014
Cycle advances to Subordinates ...	...	...	...	...	...
Total ...	33,543	12,92,752	13,26,295	12,79,349	46,946
Miscellaneous Advances ...	2,15,607	4,80,233	6,95,840	3,65,062	3,30,778*
Improvements Schemes ...	1,084	...	1,084	1,056	28
Total ...	2,16,691	4,80,233	6,96,924	3,66,118	3,30,806
Municipal Contractors ...	14,663	16,382	31,045	13,162	17,883
Municipal Tenderers ...	4	202	206	202	4
Purchase of Coal ...	5,237	...	5,237	529	4,708
Purchase of Petrol ...	24,153	3,08,760	3,32,913	4,22,785	*Cr.* †89,872
Total ...	44,057	3,25,344	3,69,401	4,36,678	*Cr.* 67,277
Grand Total ...	19,55,436	46,85,155	66,40,591	45,76,621	20,63,970

		Rs.
(*a*) Works in progress	...	37,767
Materials on hand	...	93,015
Outstanding Bills	...	1,16,431
	Rs.	2,47,213

(*b*)	Rs.	(*c*)	Rs.	(*d*)	Rs.	(*e*)	Rs.	(*f*)	Rs.
Stock on hand	1,56,116	Stock on hand	5,068	Outstanding bills	37,304	Stock on hand	18,700	Stock on hand	722
Outstanding bills	52,925	Outstanding Bills	13,,446			Outstanding bills	9,097	Outstanding bills	2,235
Total	2,09,041	Total	18,514	Total	37,304	Total	27,797	Total	2,957

*Includes Rs. 20,000 on account of Municipal Contribution to the Schools Committee for maintaining the minimum Cash Balance as required under Bye-law No. 10 relating to the Schools Committee.

		Rs.
†Stock received in 1947-48 paid in 1948-49	...	1,07,350
†Outstanding Petrol and Diesel oil bills	13,570	
Stock in hand with M. E. Petrol	3,657	
Stock in hand with Diesel oil	251	17,478
Total-Cr.		89,872

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL.
Municipal Commissioner.

Appendix No. 14-B.

Statement showing Advances out of Special Funds during 1947-48.

Name of Account.	Openning Balance on 1st April 1947.	Debits during 1947-48.	Total.	Credit during 1947-48.	Closing Balance on 31st March 1948.
	Rs.	Rs.	Rs.	Rs.	Rs.
Charges met out of—					
Municipal Fire and Accident Fund	...	599	599	599	...
Net Premia Fund	...	5,10,192	5,10,192	5,10,192	...
Fines Fund	2,174	58,380	60,554	58,579	1,975
Garden Fund	...	16,176	16,176	16,176	...
G. S. M. College and K. E. M. Hospital Research Fund	...	7,404	7,404	7,404	...
Renewal of Road Surfaces Fund	...	1,73,737	1,73,737	1,73,737	...
K.E. M. Hospital & G. S. M. College Equipment Fund	...	1,197	1,197	1,197	...
Advance from Plant and Machinery Depreciation Fund for—					
Purchases of Machinery, etc., pending adjustment against the provisions for depreciation in subsequent years	42,355	3,97,651	4,40,006	4,05,135	34,871
Levelling, metalling, etc., Private Streets...	12,221	410	12,631	5,467	7,164
Advance from Net Premia Fund for purchase of Machinery for the Municipal Printing Press	1,29,464	...	1,29.464	5,460	1,24,004
Advance from Net Premia Fund for Indian Military Hospital at Dharavi ...	...	3,35,000	3,35.000	...	3,35,000
Advance from Net Premia Fund for R. P.T.B. Hospital	...	26,427	26,427	...	26,427
Advances for Capital Works from—					
Municipal Fire and Accident Insurance Fund	3,51,772	...	3,51,772	14,844	3,36,928
Plant and Machinery Depreciation Fund	9,08 858	...	9,08,858	40.392	8,68,466
Renewal of Road Surfaces Fund	7,62,681	...	7,62,681	32,466	7,30,215
Net Premia Fund	17,16.981	5,08,388	22,25,369	1,08,716	21,16,653
Land Sales Reserve Fund	10,39,205	...	10,39,205	5,17,634	5,21,571
Total Rs. ...	49,65 711	20,35,561	70,01,272	18,97,998	51,03,274

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 14-C.

Statement of Deposit Accounts for 1947-48.

Name of Account.	Opening Balance on 1st April 1947.	Credits during 1947-48.	Total.	Debits during 1947-48.	Closing Balance on 31st March 1948.
A.—Cash Deposits from Contractors, etc.—	Rs.	Rs.	Rs.	Rs.	Rs.
(1) From Contractors	2,90,830	3,03,611	5,94,441	1,92,887	4,01,554
(2) From Tenderers	4,93,930	12,30,451	17,24,381	10,29,075	6,95,306
...	7,84,760	15,34,062	23,18,822	12,21,962	10,96,860
B.—Cash Deposits from private parties received through Departmental Officers—					
(1) City Engineer	5,71,243	,489,645	10,60,888	3,23,370	7,37,518
(2) Hydraulic Engineer	6,30,932	3,52,006	9,82,938	1,47,601	8,35,337
(3) Assessor and Collector	6,72,754	1,07,52,794	1,14,25,548	1,07,70,033	6,55,515
(4) Executive Health Officer	2,53,225	58,429	3,11,654	2,27,389	84,265
(5) Estate Agent and Land Manager—					
(*i*) Improvement Schemes	6,37,950	3,71,930	10,09,880	2,25,807	7,84,073
(*ii*) Municipal Properties	3,90,843	1,16,773	5,07,616	56,896	4,50,720
(6) Dean, (*i*) K. E. M. Hospital	61,491	3,158	64,649	2,333	62,316
Dean, (*ii*) G. S. M. College	1,55,796	56,300	2,12,096	1,51,887	60,209
Dean (iii) Dharavi Hospital		1,10,000	1,10,000	1,10,000	...
(7) Superintendent of Licences	44,791	3,12,166	3,56,957	1,94,239	1,62,718
(8) Superintendent of Markets	50,257.	1,60,847	2,11,104	59,254	1,51,850
(9) Controller of Stores	5,413	23,732	29,145	14,696	14,449
(10) Election and Town Duty Officer	971	65,447	66,418	63,276	3,142
(11) Municipal Commissioner	300	539	839	833	6
(14) Curator Museum	6,840	2,919	9,759	3,533	6,226
(15) Legal Assistant	85	...	85	45	40
(16) Chief Officer, Fire Brigade	14,681	6,154	20,835	4,975	15,860
(17) Superintendent of Gardens	9,142	10,320	19,462	7,989	11,473
(18) Mechanical Engineer	1,13,886	22,281	1,36,167	21,806	1,14,361
(19) Dean T.N.M. College B.Y.L. Nair & Nair Hosp. Dental College ...	23,571	22,340	45,911	10,295	35,616
...	36,44,171	1,29,37,780	1,65,81,951	1,23,96,257	41,85,694
C.—Other Cash Deposits	16,43,293	46,59,553	63,02,846	43,96,933	19,05,913
D.—Cash Deposits from Lessees	33,37,126	4,01,340	37,38,466	5,03,939	32,34,527
E.—Paper Deposits (Kept in Office)—					
(1) From Contractors, etc.	73,86,700	2,13,09,300	2,86,96,000	2,51,37,000	35,59,000
(2) From Tenderers	4,66,800	4,53,400	9,20,200	8,00,700	1,19,500
(4) Securities held under objection	91,300	1,27,300	2,18,600	1,12,600	1,06,000
...	79,44,800	2,18,90,000	2,98,34,800	2,60,50,300	37,84,500
F.—Paper Deposits from Municipal employees and contractors lodged with the Imperial Bank of India	7,02,900	5,02,300	12,05,200	3,98,500	8,06,700*
G.—Paper Deposits from lessees, etc., lodged with the Imperial Bank of India ...	14,80,900	7,46,100	22,27,000	2,20,700	20,06,300**
H.—Cash deposits from A. G. Bombay for A.R.P. expenditure	20,449	32,756	53,205	51,271	1,934
I.—Government Subsidised Milk Distribution Scheme	93,949	1,27,711	2,21,660	1,44,393	77,267
J.—Citizens Special Emergency Relief Fuud	1,190	...	1,190	...	1,190
K.—Mayor's Special Emergency Relief Fund	1,434	...	1,434	...	1,434
L.—Cash Deposits from Accountant General Bombay in respect of Municipal claims arising for Bombay Explosions	3,70,246	...	3,70,246	8,435	3,61,811
M.—Deposits from Accountant General Bombay for construction of rooms for Explosions Victims	57,300	95	57,395	16,671	40,724
N.—Deposit from Citizens Emergncy Relief Centre	1,14,062	...	1,14,062	19,841	94,221
O.—Rent in respect of 300 Rooms at Arthur Road	27,369	29,339	56,708	19,925	36,783
P.—Rent in Respect of 100 Rooms at Wadala Road		7,992	7,992	94	7898
Q.—Deposit received from the Govt. pension on account of capital value of the Fire Brigade	95,837	...	95,837	5,637	90,200
R.—Sale Tax	32	3,342	3,374	3	3,371
S.—Deposit from C.E.R. Committee for construction of 100 one room tenents at Ferguson Road & 150 at Wadala		7,05,707	7,,05,707		7,05,707
TOTAL ...	2,03,19,818	4,35,78,077	6,38,97,895	4,54,54,861	1,84,43, 3

* Includes Rs. 1,100 kept in the office Treasury as the Securities were not received by the parties upto 31st March 1948
** ———,,———Rs. 2,200 ———————————do———————————

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 14-D.

Statement of Reserve stock for 1947-48.

Name of Account.	Opening Balance on 1st April 1947.	Debits during 1947-48.	Total.	Credits during 1947-48.	Closing Balance on 31st March 1948.
	Rs.	Rs.	Rs.	Rs.	Rs.
General Stores Account	8,34,247	19,21,948	27,56,195	13,25,567	14,30,628
Capital Stores Account	3,05,332	8,80,951	11,86,283	4,23,644	7,62,639
Line Suspense Account	77,061	676	77,737	2537	75,200
Total ...	12,16,640	28,03,575	40,20,215	17,51,748	22,68,467

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 14-E.

Statement showing 'Interest accrued but not paid' in respect of the following Municipal Loans credited to Suspense account pending adjustment in their respective years of repayment, outstanding on 31st March 1948.

Year of Adjustment.	Particulars of Loans.	Amount of Interest accrued but not paid outstanding.	Date of Maturity of the Loan.
		Rs. a. p.	
1923-24	Rs. 15 Lakhs. Loan.	25,000 0 0	1- 5-1949
,,	,, 30 ,, ,, (Overbridges)	50,000 0 0	1- 5-1949
1925-26	,, 30 ,, ,, (Miscellaneous Works) ...	30,000 0 0	1- 1-1951
1922-23	,, 147 ,, ,, Portion Rs. 43,00,000 ...	1,07,500 0 0	1- 1-1953
1923-24	,, 70 ,, ,, Portion Rs. 49,40,000 ...	65,866 10 8	1- 6-1954
1924-25	,, 160 ,, ,, ...	3,20,000 0 0	1-12-1954
1923-24	,, 20 ,, ,, ...	33,333 5 4	1- 5-1955
1927-28	,, 25 ,, ,, ...	31,250 0 0	1- 1-1958
1929-30	,, 37 ,, ,, ...	21,846 0 0	1- 8-1959
,,	,, 31-43 ,, ,, ...	21,784 0 0	1- 8-1959 or after 1- 8-1949
,,	,, 28 ,, ,, ...	7,046 0 0	1- 8-1959 or after 1- 8-1954
1923-24	,, 70 ,, ,, Portion Rs. 20,60,000 ...	27,466 10 8	1- 6-1974
1925-26	,, 10 ,, ,, ...	12,500 0 0	1- 7-1980
1932-33	,, 40 ,, ,, ...	80,000 0 0	1- 9-1960 or after 1- 9-1950
1937-38	,, 9 ,, ,, ...	1,313 0 0	14- 3-1966
,,	,, 24½ ,, ,, ...	12,250 0 0	1- 2-1967
1938-39	,, 30 ,, ,, of 1937-38	4,250 0 0	14-3-1968
1940-41	,, 30 ,, ,, of 1938-39	7,500 0 0	1- 3-1969
1940-41	,, 64 ,, ,, of 1939-40	16,000 0 0	1- 3-1970
1941-42	,, 48 ,, ,, of 1940-41	14,000 0 0	1- 3-1971
1942-43	,, 25 ,, ,, of 1941-42	7,291 10 8	1- 3-1972
1945-46	,, 20 ,, ,, of 1943-44	5,833 5 4	1- 3-1974
1946-47	,, 22 ,, ,, of 1944-45	6,416 10 8	1- 3-1975
1947-48	,, 25 ,, ,, of 1945-46	7,291 10 8	1- 3-1976
	Total Rs. ...	9,15,739 0 0	

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix

Statement showing the amounts of the Receipts and Expenditure respectively credited at the credit of the Fund at the close of the

	Details.			Total.		
	Rs.	a.	p.	Rs.	a.	p.
Balance on 1st April 1947				1,59,74,627	15	8
RECEIPTS—A.—REVENUE ACCOUNT.						
1. General Tax, Indirect Taxation and Miscellaneous Revenue. A.—General Tax	2,29,65,301	7	3			
B.—Town Duties	87,75,728	4	4			
C.—Grants-in-aid of the fees for Land Conveyance, Music etc., Licences	4,767	8	0			
D.—Grants-in-aid in respect of fines for offences against the Law ...	3,31,158	7	7			
E.—Interest and Profit on Investment of Surplus Loan and other balances	6,64,928	8	1			
F.—Interest on Plant and Machinery Depreciation Fund	68,976	13	0			
G.—Miscellaneous	2,58,159	15	6			
				3,30,69,020	15	9
2. Water Works—Water Tax and and other Miscellaneous Water Works Revenue				1,36,65,061	15	3
3. Education—Primary				9,76,106	9	0
4. Education—Secondary				1,047	2	0
5. Public Health Department				2,01,594	15	2
6. Medical Relief and Education				3,65,077	2	5
7. Street Cleansing and Conservancy, Road Watering and Halalkhore Service—						
A.—Halalkhore Tax	43,54,811	6	6			
B.—Miscellaneous	1,38,971	14	10			
				49,93,783	5	4
8. Roads, Drains and Sewers—						
A.—Wheel Tax and Government Contribution in lieu of Tolls	23,39,246	6	6			
B.—Ground Rent	64,623	7	0			
C.—Miscellaneous	3,49,946	1	10			
D.—Interest realised on Donations	1,903	8	1			
				27,55,719	7	5
9. Mechanical				51,647	12	10
10. Buildings, Land Acquisition and Management—						
A.—Sale Proceeds of Surplus Land	10,00,000	0	0			
B.—Rent of Buildings	41,589	1	0			
C.—Ground Rent	2,53,390	6	0			
D.—Miscellaneous	1,86,081	13	6			
				14,81,061	4	6
11. Fire Brigade—						
A.—Fire Tax	8,45,383	9	9			
B.—Miscellaneous	21,376	0	0			
				8,66,759	9	9
12. Licensing and Removal of Encroachments on Public Streets—Admistration of Shops & Establishment Act.						
A.—Licences for Dangerous and Offensive Trades	6,02,239	5	0			
B.—Removal of Encroachments on Public Streets	3,14,955	14	0			
C.—Grant-in-aid from Government for administration of Shops & Establishment Act. ...	37,937	0	0			
D.—Miscellaneous	2,08,734	5	3			
				11,63,866	8	3
13. Gardens and Open Spaces				1,25,690	6	6
14. Markets and Slaughter Houses				29,83,163	13	3
15. Contribution from Capital Funds to Revenue on account of Loan Works Staff				1,35,379	2	0
16. Extraordinary Receipts				1,45,392	13	4
17. Rebate on account of collection of Urban Immovable Property Tax in the City				1,87,869	2	8
18. Grant in aid from Government				30,00,000	0	0
Total Revenue Receipts Rs. ...				6,61,69,242	1	5
Transfer from Post War Reconstruction Fund	...			8,36,638	0	0
Total Revenue Receipts including P.W.R. Fund				6,70,05,880	1	5

and debited to the Municipal Fund during the year 1947-48 and the balance year 1947-48 (i. e. 31st March 1948).

	Details.			Total.		
EXPENDITURE A.—REVENUE ACCOUNT.	Rs.	a.	p.	Rs.	a.	p.
I.—General Supervision, Collection of Revenue, etc.—						
A.—General Superintendence	10,05,127	12	0			
B.—Collection of Revenue	11,45,856	7	3			
C.—Upkeep of Municipal Head Office	45,281	12	4			
D.—General Stores	1,16,263	6	0			
E.—Miscellaneous Charges	1,54,704	3	5			
F.—Election Expenses	4,40,287	4	3			
New Works	10,997	5	0			
Debt Charges	41,927	9	0			
Proportion of General Superintendence chargeable to Water Works, Markets, etc., and Improvement Schemes Account	Cr. 7,71,061	4	0	21,89,384	7	3
II.—Water Works	16,39,412	0	11			
,, New Works	27,812	14	6			
Works to be carried out from the amount transsferred out of P.W.R.Fund	3,271	10	0			
Dearness Allowance	5,97,958	15	0			
,, Debt Charges	56,31,782	8	0			
Pro ortion of General Supervision and Collection of Revenue	4,86,836	13	0			
Provident Fund and Pension, etc., charges	1,52,797	5	0	85,39,872	2	5
III.—Education—Primary	84,66,293	1	1			
,, New Works	...					
,, Debt Charges	1,52,688	0	0	86,18,981	1	1
IV.—Education—Secondary				68,669	5	3
V.—Public Health Department						
A.—General Supervision	7,47,611	4	6			
B.—Epidemics	80,761	10	0			
C.—Vaccination	98,875	4	6			
D.—Malaria	2,91,030	1	3			
E.—Miscellaneous	1,70,996	13	11			
F.—Medical Inspection of School Children including Travelling, Dental Clinic.	48,214	9	0			
G.—Propaganda for Public Health	25,396	4	6			
H.—Supply of milk to the undernourished needy children attending Muncipal Schools	1,19,642	3	6			
I.—Licensing of dogs	24,944	10	0			
New Works	2,344	1	0			
Debt Charges	58,865	7	0	16,68,682	5	2
VI.—Medical Relief and Education—						
A.—Hospitals and Maternity Homes—						
(*a*) King Edward Memorial Hospital	13,50,641	5	9			
(*aa*) Dharavi	1,11,195	6	3			
(*b*) Infectious Diseases Hospital	4,90,429	5	3			
(*c*) Maternity Homes	1,65,712	14	9			
(*d*) Turner Sanitarium at Bhoiwada	1,12,390	6	0			
(*e*) Ramesh Premchand Hospital	22,168	11	0			
B.—Dispensaries	2,38,555	1	10			
C.—Medical and Nursing Assistance to poor people in their houses	...					
D.—Gordhandas Sunderdas Medical College	3,27,448	6	0			
E.—Statutory Contribution toGovernment Medical Institutions	4,14,500	0	0			
F.—Clinic for treatment of lepracy cases	19,500	0	0			
G.—Family planning clinics	3,759	5	0			
H.—B.Y.L. Nair Hospital N.H. Dental Collage L.T.N.M Collage	3,89,304	13	0			
New Works	19,404	3	9			
Debt Charges	4,64,138	15	0	41,29,148	13	7
VII.—Street Cleansing and Conservancy, Road Watering and Halalkhore Service—						
A.—Street Cleansing and Conservancy	41,14,101	3	10			
B.—Transport of Refuse, etc., to Deonar	3,81,129	14	0			
C.—Road Watering	11,912	8	6			
D.—Halalkhore Service	5,71,249	1	11			
New Works	22,279	7	0			
Works to be Carried out from the amount transferred out of P.W.R. Fund	20,000	0	0			
Debt Charges	3,80,606	1	0	55,01,278	4	3
VIII.—Roads, Drains and Sewers—						
A.—General	2,01,071	1	3			
B.—Maintenance of Roads	15,11,028	14	10			
C.—Public Lighting	11,13,190	5	6			
D.—Cleansing of Drains and Sewers and Street Connections	6,60,447	2	5			
E.—Rebate on Account of the compounded wheel-tax, etc.	20,459	0	0			
New Works	16,727	7	0			
Works to be Carried out from the amount transferred out of P.W.R. Fund	14,968	15	0			
Debt Charges	34,93,710	7	0	70,31,603	5	0
IX.—Mechanical—						
A.—Mechanical Engineer's Office Staff	1,45,147	9	0			
B.—Pumping Purification Works, Compressor Stations and Flood Gates	7,52,878	8	3			
C.—Supervision of Factories, Workshops and Work-places	5,715	8	0			
D.—Transport	9,93,405	8	11			
E.—Refrigerator	24,496	8	0			
F.—Oiling and Greasing Surplus Machinery	...					
New Works	4,501	15	0			
Works to be Carried out from the amount transferred out of P.W.R. Fund	1,47,712	9	0			
Debt Charges	1,55,426	7	0	22,29,284	9	2
X.—Buildings, Land Acquisition and Management—						
A.—City Engineer's Central Office Establishment	1,35,361	8	0			
B.—Inspection and Supervision of Private Buildings	2,85,641	13	3			
C.—Architectural	8,811	0	0			
D.—Land Acquisition and Management	76,958	12	8			
New Works	676	8	0			
Debt Charges	18,20,659	14	0			
Supervision Chargeable to Improvement Schemes Account	Cr. 9,598	0	0	23,97,511	7	11
XI.—Fire Brigade	6,00,758	5	8			
Do. New Works	2,887	13	0			
Do. Debt Charges	74,584	6	0			
Proportion of General Supervision and Collectien of Revenue	39,831	12	0			
Provident Fund, Pension, etc., Charges	1,28,596	9	0			
Works to be Carried out from the amount transferred out of P.W.R. Fund	1,31,119	8	0			
Dearness Allowance	1,25,808	13	0	11,03,587	2	8
XII.—Licensing and Removal of Encroachments on Public Streets and administration of Shops and Establishment Act	3,29,465	7	5			
New Works	2,439	13	0			
Works to be Carried out from the amount transferred out of P.W.R. Fund	51,929	2	0	3,83,834	6	5
XIII.—Gardens and Open Spaces	2,80,159	3	3			
Do. New Works	6,657	13	0			
Do. Debt Charges	2,06,668	12	0	4,93,485	12	3
XIV.—Markets and Slaughter Houses	5,74,736	15	10			
Do. New Works	4,793	6	0			
Do. Debt Charges	2,00,751	13	0			
Proportion of General Supervision	44,280	9	0			
Provident Fund, Pension, etc., Charges	43,690	10	0			
Dearness Allowance	1,50,531	6	0	10,18,784	11	10
XV.—Contribution towards Improvements Schemes				29,96,319	0	0
XVI.—Provident Fund, Pensions Gratuities and Compassionate Allowances				18,31,096	12	0
XVII.—Urban Immovable Property Tax on Municipal Properties in the City				45,544	8	0
XVIII.—Dearness Allowance—				58,16,858	15	2
XIX.—Grants-in-aid to Public Institutions				4,80,667	12	6
XX.—Measures for Civil Defence				68,078	11	5
XXI.—Revision of grades—Service conditions etc. of the staff				...		
Total Revenue Expenditure Rs.				5,66,12,673	9	4

Appendix

	Details.	Total.
RECEIPTS—B.—CAPITAL ACCOUNT—	Rs. a. p.	Rs. a. p.
Loan Funds—		
Debt—Principal—		
Loan of Rs. 75 Lakhs' sanctioned to be raised in 1947-48	75,00,000 0 0	
New Loan 1946-47 (Portion of Rs. 54 Lakhs Loan.)	20,00,000 0 0	
Advance from Net Premia Fund for Purchase of Plant and Machinery	97,972 4 0	
Advances from Net Premia Fund for Renewal of Road Surfaces for which no Provision Exists in the Renewal Fund	2,10,967 8 0	
Advances from Net Premia Fund Dharavi Hospital	1,99,448 12 0	
		1,00,08,388 8 0
Trust Fund—		
Receipts on Donations, etc.	1,48,258 8 0	
Interest on investments	929 12 0	
		1,49,188 4 0
Worn out Water Mains Renewal Fund—		
Interest on Investments		91 2 4
Advances—		
Capital Stores Account		12,80,123 6 6
Total Capital Account Receipts Rs. ...		1,14,37,791 4 10
RECEIPTS—C.—SUSPENSE ACCOUNT—		
Imperial Bank of India and other Local Banks on account of Sundry Deposits		7,64,15,838 7 6
Loan Redemption Fund (Municipal)		61,31,085 15 5
Do. do. Improvements Schemes		5,80,317 2 0
Sinking and Special Funds Accounts		1,14,78,569 8 9
Provident Fund Recoveries		51,83,593 11 0
Fines Fund Do.		38,632 2 6
Gardens Fund Do.		16,779 9 0
Land Sales Reserve Fund Recoveries		...
Surplus Funds (Paper and Cash Account)		1,81,50,327 0 10
Reserve Stores Account		14,21,916 6 11
Purchase Stores Account		18,31,517 14 9
Do. of Petrol and Diesel Oil		4,22,784 10 0
Do. of Coal		529 4 0
Departmental Works		9,97,678 2 0
Do. Printing Press Recoveries		3,38,525 6 6
Private Works		2,27,054 15 4
Departmental Works—Workshops Recoveries		2,33,221 7 3
Sinking Funds (Paper and Cash Account)		38,66,058 8 0
Special Funds (Do. do.)		1,45,13,079 2 6
Loan Funds (Do. do.)		33,20,110 13 4
Deposit Account		4,35,78,077 6 0
Worli Crushers		1,12,736 3 0
Sewri Crushers		74,303 8 6
Mechanical Transport		1,47,221 14 0
Asphalt Plant		3,63,396 14 9
Municipal Contractors		13,162 1 9
Do. Tenderers		202 0 0
Sundries—Miscellaneous Advances		3,66,118 2 5
Manufacturing of Precast Concrete slabs for footpaths		339 3 0
Advances—Measures for Civil Defence		...
Officers—		
(a) Dishonoured Cheques		12,73,449 12 5
(b) Standing Advances for Contingent Expenses		7 2 9
(c) Motor Cars and Motor Cycles to Officers		5,892 0 0
(d) Cycle Advance to subordinates		...
Advances—Special Funds		18,97,998 3 2
Bombay Municipal Corporation Loans—Interest Warrants Payable Account		27,30,654 9 10
Cash Bills Outstanding Account		3,13,945 8 7
Cheques payable		22,47,72,115 5 7
Interest on B. I. Trust Loans Payable Account		220 0 0
City of Bombay Improvement Trust Loan Interest Warrants Payable Account ...		17,30,601 14 4
Fidelity Guarantee Insurance Fund		6,148 6 0
Interest receivable account		...
Interest accured but not paid		7,291 10 8
Improvement Schemes Fund—		
(a) Sinking Fund	7,33,762 13 0	
(b) Capital Fund	23,17,013 2 0	30,50,775 15 0
Improvement Schemes Fund Account		23,45,650 10 0
		7,47,70,458 12 0
Proceeds of 7½ Crores Loan for taking over B.E.S.&T. Co. Ltd.		
Total—Suspense Account Receipts Rs.		50,27,28,387 7 4

No. 15—*Continued.*

	Details.	Total.
EXPENDITURE—B.—CAPITAL ACCOUNT—		
Loan Funds—	Rs. a. p.	Rs. a p
I.—General Supervision, Collection of Revenue, etc.	4,557 0 0	
II.—Water Works, ordinary	22.08.669 0 5	
III.—Education—Primary	...	
IV.—Education Secondary	314 14 0	
V.—Public Health Department	17,367 6 0	
VI.—Medical Relief and Education	2,27,152 15 0	
VII.—Street Cleansing, Conservancy, Road Watering and Halalkhore Service	Cr. 7,191 6 0	
VIII.—Roads, Drains and Sewers	20,38,270 0 8	
IX.—Mechanical	23,826 1 6	
X.—Buildings, Land Acquisition and Management	56,400 10 0	
XI.—Fire Brigade	...	
XIII.—Gardens and open spaces	...	
XIV.—Markets and Slaughter Houses	890 11 0	
XV.—Slum Service	10,828 3 0	
XVI.—Measures of Civil Defance	Cr. 48,636 6 0	
XVII.—Greater Bombay Service	36,125 5 6	
Discount and other charges on Loans	2,27,884 0 10	
Plant and Machinery	36,610 3 0	
Repayment of advance taken from the Land Sales Reserve Fund.	5,17,634 2 5	
Assets written off...	87,046 12 0	
		54,37,749 9 4
Worn out Water Mains Renewal Fund—		
Expenditure on Works		1,920 7 0
Trust Fund—		
Expenditure		1,48,258 8 0
Advances—		
Capital Stores		15,34,289 11 3
Total—Capital Account Expenditure Rs. ...		71,22,218 3 7
EXPENDITURE—C.—SUSPENSE ACCOUNT—		
Imperial Bank of India and other Local Banks on account of Sundry Deposits		11,43,34,056 1 10
Sinking and Special Funds Accounts		78,14,289 12 5
Interest accrued but not paid		25,000 0 0
Fidelity Guarantee Insurance Fund		6,148 6 0
Provident Fund Recoveries		51,83,593 11 0
Fines Fund Do.		38,632 2 0
Gardens Fund Do.		16,779 9 6
Interest Recoverable a/c		...
Plant and Machinery		Cr. 77,400 0 0
Reserve Stores Account		20,22,384 4 1
Purchase Stores Account		20,42,542 0 2
Purchase of Petrol and Diesel Oil		3,08,760 1 0
Purchase of Coal		...
Departmental Works		9,38,548 7 6
Municipal Workshops		2,79,056 5 9
Printing Press		3,82,064 6 9
Private Works		2,66,536 5 7
Sinking Fund		65,59,080 2 6
Special Fund		1,65,09,482 4 10
Surplus Funds		1,55,53,439 13 10
Loan Funds		28,91,679 8 0
Debt—Principal—Repayment of Loans (Municipal)		61,21,085 15 5
Do. do. (Improvements Schemes)		5,80,317 2 0
Deposit Account		4,54,54,861 1 0
Worli Crushers		1,05,886 4 0
Sewri Crushers		73,780 6 6
Mechanical Transport		1,23,112 10 6
Asphalt Plant		4,17,842 13 9
Municipal Contractors		16,381 10 3
Do. Tenderers		202 0 0
Sundries—Miscellaneous Advances		4,80,233 13 3
Advance-Measures for Civil Defence		...
Manufacture of Precast Concrete Slabs for footpaths		...
Officers—		
(*a*) Dishonoured Cheques		12,73,449 12 5
(*b*) Standing Advances for Contingent Expenses		3,432 2 9
(*c*) Motor Cars and Motor Cycles to Officers		15,870 0 0
(*d*) Cycle advances to subordinates		...
Advances—Special Funds		20,35,561 14 0
Bombay Municipal Corporation Loans—Interest Warrants Payable Account		26,77,590 13 10
Cash Bills Outstanding Account		3,09,574 9 5
Cheques payable		22,43,26,327 6 1
City of Bombay Improvement Schemes Loans Interest Warrants Payable Account		~~7,01,220 0 4~~
Capital Fund unbooked property liabilities Improvement Schemes Fund		
Improvement Schemes Fund		
(*a*) Sinking Fund	30,69,340 13 2	
(*b*) Capital Fund	26,58,444 11 10	
		57,27,785 9 0
Interest on Bombay Improvement Trust Loans Payable Account		
Improvement Schemes Fund Account...		10,072 9 10
Proceeds of 7½ crores loan for taking over B.E.S. & T.. Co. Ltd.		5,77,59,516 3 8
Total—Suspense Account Expenditure Rs. ...		52,43,19,378 4 9

Appendix

	Total.
	Rs. a. p.
RECEIPTS—D.—IMPROVEMENT SCHEMES ACCOUNT—	
General Account—	
I.—Rents and other proceeds of Properties	67,93,267 13 0
II.—Contribution towards Improvement Schemes from the Municipal Corporation	29,96,319 0 0
III.—Grants-in-aid of Tobacco Duty	9,22,662 0 0
IV.—Interest and Profits on Investments	5,51,446 4 10
V.—Miscellaneous Receipts	31,255 5 2
VI.—Appropriation from Capital Account to meet deficit in the General Account...	...
Total Rs. ...	1,12,94,950 7 0
Capital Account—	
I.—Sale proceeds of Lands, Buildings, etc.	17,04,403 10 6
Total Rs. ...	17,04,403 10 6
Total—General and Capital Account Receipts Rs. ...	1,29,99,354 1 6

SUMMARY.

Receipts.		Disbursements.
Rs. a. p.		Rs. a. p.
1,59,74,627 15 8	Balance on 1st April 1947 ...	
6,70,05,880 1 5	A.—Revenue Account	5,66,12,673 9 4
1,14,37,791 4 10	B.—Capital Account	71,22,218 3 7
50,27,28,387 7 4	C.—Suspense Account	52,43,19,378 4 9
1,29,99,35 1 6	D.—Improvement Schemes Account	1,10,60,222 7 8
59,41,71,412 15 1	Total Rs. ...	59,91,14,492 9 4
	* Balance on 31st March 1948	1,10,31,,548 5 5
61,01,46,040 14 9	Total Rs. ...	61,01,46,040 14 9

J. K. DARUVALA,

Chief Accountant.

No. 15—*Concluded.*

	Details.	Total.
	Rs. a. p.	Rs. a. p.
EXPENDITURE—D.—IMPROVEMENT SCHEMES ACCOUNT		
General Account—		
A.—Maintenance of Properties and Streets		28,62,488 0 3
B.—Cost of Management and Establishment	13,60,171 5 5	
C.—Proportionate charge on account of Municipal Supervision	1,60,459 3 0	
	15,20,630 8 5	
Deduct—		
Rs. a. p.		
Proportionate share of cost of Management and Establishment chargable to General Account ...Cr. 14,34,944 8 5		
Do. do. do. Capital Account ... Cr. 85,686 0 0		
	Cr. 15,20,630 8 5	...
D.—Lump Sum Provision for Revision of Grades etc. to the Staff.	...	
E.—Debt Charges	...	77,05,594 7 8
F.—Transfer of Surplus to Capital Accounts		7,26,867 15 1
Total ...		1,12,94,950 7 0
Capital Account—		
Repayment of 5½% B. I. T. Loan of 1929		...
Improvement and Street Schemes, etc.		4,06,453 15 9
Proportionate share of cost of Management and Establishment chargable to Improvement and Street Schemes		85,686 0 0
Revenue Surplus.		Cr. 7,26,867 15 1
Total ...		Cr. 2,34,727 15 4
Total—General and Capital Account Expenditure ...		1,10,60,222 7 8

		Rs. a. p.
Bank's reconciliation:—		
* Balance as per Bank's Pass Book		49,04,360 1 10
Add—		
Revenue sent to the Bank on 31st March 1948 but acknowledged on 1st April 1948 ...		24,84,523 11 10
		73,88,883 13 8
Less—		
Uncashed Cheques		2,53,619 13 9
Balance in Bank as per Day Book (Column No. 10)		71,35,263 15 11
Balance in Office in Government Promissory Notes, etc. ... ...Rs. 37,87800 0 0		
Balance in Office in Cash	1,08,484 5 6	38,96,284 5 6
		1,10,31,548 5 5

B. K. PATEL,
Municipal Commissioner.

Appendix No. 16.

Comparison of Face, Purchase and Market Values at 31st March 1948 of the different Securities held in the following Special Funds.

Name of Fund.	Particulars of Securities.	Face value.	Purchase rate per cent.	Actual cost at purchase rate.	Market rate per cent.	Value at Market rate.
		Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Municipal Fire and Accident Insurance Fund.	4 per cent. Government Loan 1960-70 ...	49,500	94 4 0	46,653 12 0		
	Do. do. ...	1,00,200	92 8 0	92,685 0 0		
	Do. do. ...	13,700	87 10 0	12,004 10 0	111 12 0	3,18,264 0 0
	Do. do. ...	1,21,400	88 0 0	1,06,832 0 0		
	4 per cent. Bombay Improvement Trust Debentures	46,600	Par.	46,600 0 0		
	Do. do. ...	10,000	89 0 0	8,900 0 0		
	Do. do. ...	7,200	88 0 0	6,336 0 0		
	Do. do. ...	23,500	84 8 0	19,857 8 0	111 0 0	1,53,180 0 0
	Do. do. ...	9,700	84 4 0	8,172 4 0		
	Do. do. ...	41,000	92 12 0	38,027 8 0		
	3 per cent. Bombay Municipal Debentures ...	4,05,800	Par.	4,05,800 0 0	Par.	4,05,800 0 0
	3½ per cent. Do. do. ...	1,02,600	Par.	1,02,600 0 0	Par.	1,02,600 0 0
	3 % Conversion Loan 1946 ...	91,700	Par.	91,700 0 0	97 14 0	1,64,332 2 0
		76,200	101 0 0	76,962 0 0		
	Total Rs. ...	10,99,100		10,63,130 10 0		11,44,176 2 0
	Total Rs. ...					
Net Premia Fund ...	2¾ per cent. Government Loan 1948-52 ...	20,00,000	99 9 6	19,91 875 0 0	100 4 0	20,05,000 0 0
	3 per cent. Government Promissory Notes ...	900	48 0 0	432 0 0	97 14 0	880 14 0
	4 per cent. Government Loan 1960-70 ...	13,400	Par.	13,400 0 0		
	Do. do. ...	5,500	92 8 0	5,087 8 0	111 12 0	23,802 12 0
	Do. do. ...	2,400	88 6 0	2,121 0 0		
	3 per cent. Bombay Municipal Debentures ...	78,100	Par	78,100 0 0	Par.	78,100 0 0
	3½ Do. do. ...	32,700	Par.	32,700 0 0	Par.	32,700 0 0
	3 per cent. Conversion Loan 1946 ...	18,900	Par.	18,900 0 0	97 14 0	18,498 6 0
	Total Rs. ...	21,51,900		21,42,615 8 0		21,58,982 0 0
Provident Fund ...	per cent. Government Loan 1960-70 ...	1,23,300	94 4 0	1,16,210 4 0		
	Do. do. ...	18,45,500	92 8 0	17,07,087 8 0		
	Do. do. ...	47,500	88 6 0	41,978 2 0		
	Do. do. ...	37,01,200	88 0 0	32,57,056 0 0	111 12 0	
	Do. do. ...	13,36,000	87 10 0	11,70,670 0 0		79,48,554 0 0
	Do. do. ...	59,300	Par.	59,300 0 0		
	3 per cent. Government Loan 1963-65 ...	12,90,800	98 0 0	12,64,984 0 0	100 0 0	12,90,800 0 0
	4 per cent. Bombay Improvement Trust Debentures	1,81,300	Different rates	1,40,693 0 0		
	Do. do. ...	46,100	Par.	46,100 0 0		
	Do. do. ...	3,80,300	84 4 0	3,20,402 12 0	111 0 0	17,74,335 0 0
	Do. do. ...	16,700	84 8 0	14,111 8 0		
	Do. do. ...	9,74,100	92 12 0	9,03,477 12 0		
	5 per cent. Bombay Improvement Trust Debentures	6,18,500	Different rates	5,65,335 0 0	117 0 0	7,23,645 0 0
	6 per cent. Bombay Improvement Trust Debentures	1,91,000	Do.	1,92,531 4 0	119 0 0	2,73,343 0 0
	Do. do. ...	38,700	Par.	38,700 0 0		
	3 per cent. Bombay Municipal Debentures ...	23,35,400	Par.	23,35,400 0 0	Par.	23,35,400 0 0
	6 per cent. Bombay Munl. Debentures 1950-60 ...	8,64,500	99 3 9	8,57,881 2 9	119 0 0	10,28,755 0 0
	4 per cent. Bombay Municipal Debentures ...	900	Par.	900 0 0	111 0 0	999 0 0
	3½ per cent Bombay Municipal Debentures ...	89,90,600	Par.	89,90,600 0 0	Par.	89,90,600 0 0
	3 per Conversion Loan 1946 ...	29,05,800	100 15 0	29,33,041 14 0	97 14 0	4,454,682 12 0
	Do. do. ...	16,45,600	Par.	16,45,600 0 0		
	3¼ per cent Bombay Municipal Debentures ...	32,85,500	99 8 0	32,69,072 8 0	100 10 0	33,06,034 6 0
	3¼ per cent United Provinces EE Loan ...	7,00,000	99 0 0	6,93,000 0 0	97 0 0	6,79,000 0 0
	Total Rs. ...	3,15,78,600		3,05,64,132 10 9		3,28,06,148 2 0
Fines Fund—(*concld.*)	4 per cent. Government Loan 1960-70 ...	20,000	88 0 0	17,600 0 0	111 12 0	22,908 12 0
	Do. do. ...	500	92 8 0	462 8 0		
	4½ per cent. Government Loan 1955-60 ...	2,800	82 6 0	2,306 8 0	113 4 0	3,171 0 0
	4 per cent. Bombay Port Trust Debentures ...	3,000	70 0 0	2,100 0 0	111 4 0	3,337 8 0
	4 per cent. Bombay Improvement Trust Debentures	48,900	Par.	48,900 0 0		
	Do. do. ...	11,000	84 4 0	9,267 8 0	111 0 0	83,250 0 0
	Do. do. ...	15,100	92 12 0	14,005 4 0		
	3 per cent. Bombay Municipal Debentures ...	2,89,300	Par.	2,89,300 0 0	Par.	2,89,300 0 0
	3 per cent. Government Loan 1963-65 ...	900	98 0 0	882 0 0	Par.	900 0 0
	3½ per cent. Bombay Municipal Debentures ...	20,600	Par.	20,600 0 0	Par.	20,600 0 0
	3 per cent. Conversion Loan ...	93,400	101 0 0	94,334 0 0	97 14 0	1,44,463 8 0
	Do. do. ...	54,200	Par.	54,200 0 0		
	Total Rs. ...	5,59,700		5,53,957 12 0		5,67,930 12 0
	Carried forward Rs. ...	3,53,89 300		3,43,23,836 8 9		3,66,77,237 0 0

Appendix 16—*Concluded.*

Comparison of Face, Purchase and Market Values at 31st March 1948 of the different Securities held in the following Special Funds.

Name of Fund.	Particulars of Securities.	Face value.	Purchase rate per cent.	Actual cost purchase rate.	Market rate per cent.	Value at Market rate.
		Rs.	Rs a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p
	Brought over Rs. ...	3.53,89,300		343,23,836 8 9		3,66,77,237 0 0
Plant and Machinery Depreciation Fund	4 per cent. Government Loan 1960-70 ...	32,600	92 8 0	30,155 0 0	111 12 0	51,069 12 0
	Do. do. ...	13,100	87 10 0	11,478 14 0		
	4 per cent. Bombay Improvement Trust Debentures	52,400	Par.	52,400 0 0	111 0 0	62,049 0 0
	Do. do.	2,200	84 4 0	1,853 8 0		
	Do. do. ...	1,300	92 12 0	1,205 12 0		
	3 per cent. Bombay Municipal Debentures ...	1,37,300	Par.	1,37,300 0 0	par.	1,37,300 0 0
	3½ Do. do.	1,32,000	Par.	1 32,000 0 0	par.	1,32,000 0 0
	3 per cent. Conversion Loan 1946 ...	1,40,500	Par.	1,40,500 0 0	97 14	1,57,970 4 0
		20,900	101	21,109 0 0		
	Total Rs. ...	5,32,300		5,28,002 2 0		5,40,389 0 0
Renewal of Road Surfaces Fund.	4 per cent. Government Loan 1960-70 ...	1,34,200	92 8 0	1,24,135 0 0	111 12 0	4,51,358 4 0
	Do. do. ...	2,47,400	87 10 0	2,16,784 4 0		
	Do. do. ...	5,100	88 0 0	4,488 0 0		
	Do. do. ...	17,200	94 4 0	16,211 0 0		
	4 per cent. Bombay Improvement Trust Debentures	15,700	Par.	15,700 0 0	111 0 0	3,01,143 0 0
	Do. do. ...	13,100	92 12 0	12,150 4 0		
	Do. do. ...	2,41,400	84 4 0	2,03,379 8 0		
	Do. do. ...	1,100	84 8 0	929 8 0		
	3 per cent. Bombay Municipal Debentures ...	9,37,700	Par.	9,37,700 0 0	Par.	9,37,700 0 0
	3½ per cent. Do. do. ...	2,34,200	Par.	2,34,200 0 0	Par.	2,34,200 0 0
	3 per cent. Conversion Loan 1946 ...	1,82,800	Par.	1,82,800 0 0	97 14 0	2,92,939 14 0
		1,16,500	101 0 0	1,17,665 0 0		
	Total Rs. ...	21,46,400		20,66,142 8 0		22,17,341 2 0
Garden Fund ...	4 per cent. Government Loan 1960-70 ...	800	Par.	800 0 0	111 12 0	27,937 8 0
	Do. do. ...	1,800	87 10 0	1,577 4 0		
	Do. do. ...	2,300	92 8 0	2,127 8 0		
	Do. do. ...	900	94 4 0	848 4 0		
	Do. do. ...	19,200	88 0 0	16,896 0 0		
	4 per cent. Bombay Improvement Trust Debentures	5.600	Par.	5,600 0 0	111 0 0	17,205 0 0
	Do. do. ...	5,000	84 4 0	4,212 8 0		
	Do. do. ...	4,900	92 12 0	4,544 12 0		
	3 per cent. Bombay Municipal Debentures ...	41,300	Par.	41,300 0 0	Par.	41,300 0 0
	3½ per cent. Do. do. ...	13,000	Par.	13,000 0 0	Par.	13,000 0 0
	3 per cent. Conversion Loan 1946 ...	14,000	Par.	14,000 0 0	97 14 0	32,005 2 0
		18,700	101 0 0	18,887 0 0		
	Total Rs. ...	1,27,500		1,23,793 4 0		1,31,447 10 0
Hospital Fund ..	4 per cent. Government Loan 1960-70 ...	42,400	106 14 6	45,328 4 0	111 12 0	48,387 12 0
	3 Do. do. ...	900	92 8 0	832 8 0	Par.	
	3 per cent. Bombay Municipal Debentu	4,74,300	Par.	4,74,300 0 0	Par.	4,74,300 0 0
	½ Do. do.	1,21,500	Par.	1,21,500 0 0		1,21,500 0 0
	3 per cent. Conversion Loan 1946 ...	1,81,700	Par.	1,81,700 0 0	97 14 0	4,15,773 0 0
		2,43,100	101	2,45,531 0 0		
	Total Rs. ...	10,63,700		10,69,191 12 0		10,59,960 12 0
Slum Service Fund.	3 per cent. Conversion Loan 1946 ...	2 700	Par.	2,700 0 0	97 14 0	2,642 10 0
	3 per cent. Municipal Debentures ...	1,86,300	Par.	1,86 300 0 0	Par.	1,86,300 0 0
	3½ Do. do. ...	2.600	Par.	2,600 0 0	"	2,600 0 0
		1,91,600		1,91,600 0 0		1,91,542 10 0
K.E.M. Hospital and G. S. M. College Equipment Fund.	3 per cent. Bombay Municipal Debentures ...	1,37,500	Par.	1,37,500 0 0	Par.	1,37,500 0 0
	3 per cent. Conversion Loan 1946	19,500	101	19,695 0 0	97 14 0	19,085 10 0
	...	1,57,000	...	1,57,195 0 0		1,56,585 10 0
G. S. M. College and K. E. M. Hospital Research Fund.	4 per cent. Government Loan 1960-70 ...	8,400	92 8 0	7,770 0 0	111 12 0	18,103 8 0
	Do. do. ...	7,800	88 0 0	6,864 0 0		
	3 per cent. Municipal Debentures ...	66 500	Par.	66,500 0 0	Par.	66,500 0 0
	4 per cent. Bombay Improvement Trust Debentures	400	84 4 0	337 0 0	111 0 0	444 0 0
	3½ per cent. Bombay Municipal Debentures ...	2 500	Par.	2,500 0 0	Par.	2,500 0 0
	3 per cent. Conversion Loan 1946 ...	34 000	Par.	34 000 0 0	97 14 0	45,218 4 0
		12 20	101	12.322 0 0		
	Total Rs. ...	1,31,8 0		1,30 293 0 0		1,32,765 12 0
Precast Concrete Slab Pavements Renewal Fund.	3 per cent. Municipal Debentures ...	1 03,400	Par.	1,03,400 0 0	Par.	1,03,400 0 0
Fidelity Guaranttee Insurance Fund.	3½ per cent, Municipal Debentures	4 900	Par.	4,900 0 0	Par.	4,900 0 0
	3 per cent. Do. do. ...	30,900	Par.	30,900 0 0	Par.	30,900 0 0
	3 per cent, Conversion Loan 1946 ...	4,000	Par.	4,000 0 0	97 14 0	3,915 0 0
		39 80		39,800 0 0		39,715 0 0
	Grand Total Rs. ...	3,98 83,000		3,87,33,254 2 9		4,12,50,384 8 0

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 16-A.

Comparison of Face, Purchase and Market Values at 31st March 1948 of the different Securities held in the Sinking Funds.

N.B.—Special attention is invited to para 18 of the Chief Accountant's Report.

Particulars of Securities.	Face value.	Purchase rate per cent.	Book value.	Market rate per cent.	Value at Market rate. (Municipal and Improvement Trust Debentures being valued at par).
	Rs.		Rs. a. p.		Rs. a. p.
4 per cent. Municipal Debentures ...	51,68,700	Par	51,68,700 0 0		51,68,700 0 0
4 Do. do. ...	55,900	84½	47,235 8 0		55,900 0 0
4 Do. do. ...	21,500	84¼	18,113 12 0		21,500 0 0
5 Do. do. ...	60,17,000	Par	60,17000 0 0	Par	60,17,000 0 0
6 Do. do. ...	1,000	Par	1,000 0 0		1,000 0 0
6 Do. do. ...	78,000	99-3-9	77,402 13 0		78,000 0 0
3 Do. do. ...	97,59,400	Par	97,59,400 0 0		97,59,400 0 0
3½ Do. do. ...	38,80,500	Par	38,80,500 0 0		38,80,500 0 0
4 per cent. Bombay Improvement Trust Debentures ...	15,00,700	84¼	12,64,339 12 0		
4 Do. do. ...	1,32,200	84½	1,11,709 0 0	Par	25,31,600 0 0
4 Do. do. ...	5,06,700	92¾	4,69,964 4 0		
4 Do. do.	3,92,000	Par	3,92,000 0 0		
4 per cent. Bombay Improvement Trust (coupon) Debentures.	3,76,600	84½	3,18,227 0 0	Par	5,00,000 0 0
4 Do. do. ...	1,23,400	84¼	1,03,964 8 0		
4 per cent. Loan 1960-70 ...	1,13,100	Par	1,13,100 0 0		
4 Do. do. ...	30,42,300	75	22,81,725 0 0		
4 Do. do. ...	5,00,000	75-0-6	3,75,156 4 0		
4 Do. do. ...	3,18,000	88	2,79,840 0 0		
4 Do. do. ...	2 48,000	92½	2,29,400 0 0	111 12 0	54,64,243 0 0
4 Do. do. ...	4,48,000	87⅞	3,92,560 0 0		
4 Do. do. ...	2,22,300	88⅜	1,96,457 10 0		
4 Do. do. ...	15,900	94¼	14,985 12 0		
4½ per cent. Loan 1955-60 ...	5,00,000	79¾	3,98,750 0 0	113 4 0	5,66,250 0 0
3 per cent. Loan 1963-65 ...	1,93,800	98	1,89,924 0 0	Par	1,93,800 0 0
3 per cent. Conversion Loan 1946 ...	40,03,800	Par	40,03,800 0 0	97 14 0	49,55,411 4 0
	10,59,200	101	10,69,792 0 0		
4 per cent. Bombay Improvement Trust Sterling Debentures. ...	£ 25,000	£ 80 at 1s. 6d.	2,66,666 10 8	Par at 1s. 5 3/13 d.	3,33,913 0 8
Total Rs. ...	3,86,78,000 £ 25,000		3,74,41,713 13 8		3,95,47,217 4 8

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 16-B.

Statement showing the amount of and object for which the Donations held under Public Monuments Maintenance Fund were received from different parties up to 31st March 1948.

Name of donor.	Object for which the donation is given.	Particulars of Securities.	Face value.	Rate per cent.	Book value.
			Rs.	Rs. a.	Rs. a.
Sir Mangaldas Nathoobhoy ...	Donation for the maintenance of Sir Mangaldas Nathoobhoy Clock at Mumbadevi.	3 per cent. Conversion Loan of 1946 ...	500	Par	500 0
The Secretary, Tata Memorial ...	Donation for the maintenance of J. N. Tata Statue ...	Do. do. ...	1,200	Do.	1,200 0
The Secretary, Ranade Memorial ...	Donation for the maintenance of Ranade Statue ...	4 per cent. Bombay Improvement Trust Loan due 1962 ...	1,000	Do.	1,200 0
		3 per cent. Conversion Loan of 1946 ...	200		
Mr. P. J. Mistri ...	Donation for the maintenance of N. M. Petit Statue at Gowalia Tank Road ...	Do. do. ...	2,000	Do.	3,000 0
		Do. do. ...	1,000	Do.	
Messrs. J. D. Framroz, R. B. Jeejeebhoy and P. C. Sethna.	Donation for the maintenance of Sir D. M. Petit Statue ...	4 per cent. Loan 1960-70 ...	2,400	88 0	2,112 0
Mr. Cassumally Jairajbhoy Peerbhoy ...	Donation for the maintenance of a fountain at the junction of Hornby Road and Palton Road.	4 per cent. Loan 1960-70 ...	5,500	92 8	5,087 8
The Secretary, Montague Memorial Fund ...	Donation for the maintenance of the Montague Statue at the junction of Marine Lines and Church Gate Street. ...	6 per cent. Municipal Debentures 1950-60 ...	1,200	99 10	1,195 8
		4 per cent. Loan 1960-70 ...	900	88 0	792 0
Mr. Surajmal Hanmantrai ...	Donation for the maintenance of a public fountain at Princess Street. ...	4 per cent. Loan 1960-70 ...	2,600	92 8	2,405 0
		3 per cent. Conversion Loan of 1946 ...	100	Par	100 0
Mr. Chaturbhuj Jivandas ...	Donation for the maintenance of the new Bandstand at Chowpatty ...	4 per cent. Government Loan 1960-70 ...	400	88 0	352 0
Mr. Jamnadas Dwarkadas ...	Donation for the maintenance of a water trough for watering Victoria horses and bullocks at the junction of Colaba and Pilot Bunder Roads.	Do. do. ...	400	88 0	352 0
Dr. K. E. Dadachanji ...	Donation for the maintenance of a fountain at the junction of Frere Road and Carnac Bridge				7,230 0
Mr. D. P. Kothare ...	Donation for the maintenance of a fountain at Mint Road ...				1,570 0
Mr. K. D. Dhuru ...	Donation for the maintenance of a fountain at the junction of old Purbhadevi and Cadell Road.	4 per cent. Government Loan 1960-70 ...	15,200	88 0	452 0
Mr. Gokuldas Karsondas Shroff ...	Donation for the maintenance of a cattle trough and drinking fountain at Lady Jamshedji Road.	3 per cent. Conversion Loan of 1946 ...	100	Par	1,041 0
Mr. Fattechand Revaldas ...	Donation for the maintenance of a fountain at Narayan Dhuru Street. ...				353 0
Mr. Hansraj Pragji ...	Donation for the maintenance of a cattle trough at Clerk Road ...				2,830 0
Mr. F. P. Pavri ...	Donation for the maintenance of a drinking fountain at the junction of Cadell Road and Old Purbhadevi Road.	4 per cent. Loan 1960-70 ...	600	88 0	528 0
The Secretary, Dr. Dadabhoy Naoroji Memorial Fund.	Donation for the maintenance of the Statue of Dr. Dadabhoy Naoroji ...	4 per cent. Loan 1960-70 ...	1,400	88 0	1,232 0
Mr. Khimji Madon Bhujpuria ...	Donation for the upkeep of a water trough on site opposite the Jamshed Mill.	4 per cent. Loan 1960-70 ...	600	88 0	528 0
Mr. L. R. Tairsee ...	Balance out of donation received from Mr. L. R. Tairsee for the construction of a cattle trough at the top end corner of Walkeshwar near "Tin Batti".				
		Carried forward Rs. ...	37,300		34,060 0

Appendix No. 16-B.—*Concluded.*

Name of donor.	Object for which the donation is given.	Particulars of Securities.	Face value.	Rate per cent.	Book value.
		Brought forward Rs. ...	Rs. 37,300	Rs. a.	Rs. a. 34,060 0
M. N. Wadia ...	Balance out of donation received for construction of three cattle troughs at Bhoiwada Road, Parel Tank Road and Sewree Cross Road	4 per cent. Loan 1960-70 ...	1,200	88 0	1,056 0
Mr. F. B. Jeejeebhoy ...	Balance out of donation received for the construction of a public fountain and water trough at the junction of Suparibag Road and Government Gate Road.	4 per cent. Loan 1960-70 ...	1,500	88 0	1,320 0
Mr. Anantrao Vithoba Kowley ...	Balance out of donation received for the construction of a fountain and cattle trough at the junction of Bhawani Shanker Road and Gokhale Road.	3 per cent. Conversion Loan 1946 ...	1,500	Par	1,500 0
Mr. Ramdas Raghowji Govindji ...	Balance out of the donation received for the construction of a fountain and cattle trough at Cavel Street.	Do. Do. ...	1,700	Par	1,700 0
Mr. C. K. Kakade ...	Balance out of the donation received for the construction of a fountain at Bellasis Road.	4 per cent. Loan 1960-70 ...	200	88 0	176 0
Hon. Secretary, Lok. Tilak Memorial Committee.	Donation for the maintenance of the Statue of Lok. Tilak at Chowpatty Sands.	3 per cent. Conversion Loan ...	1,400	Par	1,400 0
Mr. M. E. Joshi Memorial Committee ...	Donation for the maintenance of the marble bust of Mr. M. E. Joshi at Parsi Colony, Dadar.	3 per cent Municipal Debentures ...	500	Par	500 0
* Sir Patrick Kelly Memorial Committee ...	Donation for the maintenance of the Statue of Sir Patrick Kelly, Kt., C.I.E., opposite Crawford Market.	3 per cent Conversion Loan 1946 ...	800	101	*808 0
Joint Honorary Secretary Dr. A. G. Viegas Memorial Committee.	Donation for the maintenance of the Statue of the late Dr. A. G. Viegas at Dhobi Talao ...	3 per cent. Municipal Debentures ...	500	Par	500 0
Khan Bahadur Kawasji J. Petigara Memorial Committee	Donation for the maintenance of the Statue of Khan Bahadur K. J. Petigara.	3 per cent. Conversion Loan 1946 ...	500	Do.	500 0
Sir Dinshaw Watcha, Kt., Memorial Committee ...	Donation for the maintenance of the Statue of Sir Dinshaw Watcha, Kt. ...	Do. Do. ...	500	Do.	500 0
Trustees of late Kasambhai Valji Gangji's Estate ...	Donation for the maintenance of a drinking fountain at the junction of Sandhurst Road and New Chinchbunder Road ...	Do. Do. ...	1,700	Do.	1,700 0
Bai Muktabai W/o of Dr. M. V. Parulekar ...	Donation for the maintenance of a drinking fountain at Lakhamsey Napoo Road ...	Do. Do. ...	500	Do.	500 0
Mr. P. S. Gaikawad ...	Donation for the maintenance of a drinking fountain near Round Temple Sandhurst Road ...	Do. Do. ...	700	Do.	700 0
		Total ...	50,500		46,920 0
Mrs. A. M. Stewart ...	Donation for maintenance of Cemetery No 20 at Antop Hill for the European Jewish Community.	3 per cent. Municipal Debentures	2,500	Par	2,500 0
Rao Bahadur Ellappa Balaram ...	Donation for the maintenance of a Charitable Dispensary at Kamathipura ...	4 per cent. Bombay Improvement Trust Loan due 1966 ...	5,000	Par	19,500 0
		4 per cent. Bombay Improvement Trust Loan due 1972 ...	14,500	Do.	
Bai Lingoobai, widow of Rajanna Jalooji ...	Do. do. do. do.	3 per cent. Conversion Loan 1946 ..	10,700	Do.	10,700 0
Colaba Free Dispensary ...	Donation for the maintenance of Assets of the dispensary taken over by the Municipality on its taking over the dispensary.	4 per cent. Government Loan 1960-70 ...	1,200	87 10	1,051 8
Joint Honorary Secretaries and Treasurers, George V Anti-Tuberculosis League.	Donation for the maintenance of Assets transferred to the Municipality on its taking over the League.	3 per cent. Conversion Loan 1946 ...	1,000	Par	21,000 0
		4 per cent. Municipal Debentures due 1954 ...	20,000	Do.	
Mr. Shapurji Sorabji ...	Donation in connection with the house in Khetwadi given by him for being used as a Maternity Home.	3 per cent. Conversion Loan 1946 ...	5,000	Do.	10,000 0
		3 per cent. Conversion Loan 1946 ...	5,000	Do.	
Messrs. Little & Co. ...	Amount representing balance out of the amount set apart for the purchase of Bai Gowrabai Dispensary Building at Kamathipura.	4 per cent. Loan 1960-70 ...	2,900	88 0	2,552 0
Do.	Donation for meeting charges for repairs, etc., to Bai Gowrabai Dispensary at Kamathipura.	6 per cent. Municipal Debentures 1950-60 ...	5,000	99 10	4,981 4
Unspent balance out of the donation from the estate of the late Mr. Mahomed Haji Saboo Sidick	Donation for establishing and maintaining Maternity Homes in Bombay ...	3 per cent. Municipal Debentures ...	52,600	Par	52,600 0
		Total ...	1,22,900		1,22,384 12
		Grand Total Rs. ...	1,75,900		1,71,804 12
* Cash held with the Imperial Bank of India ...					92 0
					1,71,896 12

J. K. DARUVALA,
Chief Accountant.

* The balance of Cash after reinvestment of the proceeds of 3½ per cent Loan 1947-50 repaid by Govt. in respect of this donation is presently held in Cash with the Imperial Bank and will be reinvested during 1948-49.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 16-C.

Statement showing the amounts of and object for which the endowments held under Endowments Fund were received from different parties upto 31st March 1948.

Name of donor.	Object for which the endowment is given.	Particulars of Securities.	Face value.	Rate per cent.	Book value.
	Scholarships and Prizes.		Rs.	Rs. a.	Rs. a.
The Bhawnagar Durbar ...	"Bhawnagar State Entrance Scholarship" at G. S. M. College ...	4 per cent. Government Loan 1960-70 ...	5,900	88 0	5,192 0
Dr. N. A. Purandare ...	"Savitribai Purandare Prize" at K. E. M. Hospital ...	Do. do. ...	300	Par	300 0
		3 per cent. Conversion Loan 1946 ...	100	Par	100 0
Mr. Tulsidas H. Parekh ...	"Bai Bachubai Thakurdas Parekh Entrance Scholarship" at G. S. M. College.	4 per cent. Government Loan 1960-70 ...	3,700	88 0	3,256 0
Mr. Lalji Naranji ...	"Lalji Naranji Scholarship" at G. S. M. College ...	Do. do. ...	4,500	88 0	3,960 0
Mr. Chaturbhuj Gordhandas Sunderdas ...	"Chaturbhuj Gordhandas Sunderdas Scholarship" and "Bai Gangabai Gordhandas Sunderdas Scholarship" at G. S. M. College.	Do. do. ...	9,100	88 0	8,008 0
Dr. (Mrs.) Dossibai Jehangir Rattanshaw Dadabhoy, M.D., M.R.C.P. (Lond.).	"Awabai Rattanshaw Dadabhoy Scholarship" at G. S. M. College.	Do. do. ...	3,900	88 0	3,432 0
		3 per cent. Conversion Loan 1946 ...	200	Par	200 0
Mr. Jehangir Rattanshaw Dadabhoy ...	"Rattanshaw Dadabhoy Scholarship" at G. S. M. College ...	4 per cent. Government Loan 1960-70 ...	3,900	88 0	3,432 0
The Honorary Staff and Professors of the K. E. M. Hospital and G. S. M. College.	"Bahadurji Memorial Scholarship in Surgery" at G. S. M. College. ...	Do. do. ...	3,900	88 0	3,432 0
		6 per cent. Municipal Debentures 1950-60 ...	2,000	99 10	1,992 8
The Trustees of Dr. Choksy's Entertainment Fund.	Donation for endowing a Gold Medal called "Sir Nusserwanji Choksy Memorial Prize Medal" at G. S. M. College.	3 per cent. Municipal Debentures ...	100	Par	100 0
		4 per cent. Government Loan 1960-70 ...	100	Par	100 0
			200	97 5	194 10
		3 per cent. Government Loan 1963-65 ...	300	98 6	295 2
			200	98 0	196 0
H. H. the Maharana Shri Sir Doulatsingji, K.C.I.E., Thakore Saheb of Limbdi.	Donation for awarding a gold medal and a miniature replica of the Challenge Cup.	6 per cent. Municipal Debentures 1950-60 ...	1,800	99 10	1,793 4
Dr. Shirwalkar Memorial Fund Committee ...	"Dr. Shirwalkar, General Proficiency Scholarship and Medals" at G. S. M. College.	3 per cent. Conversion Loan 1946 ...	6,000	Par	6,000 0
		Do. do. ...	3,000	Par	3,000 0
		4 per cent. Municipal Debentures ...	2,000	Par	2,000 0
Mrs. Dhungavri Rangildas Desai ...	Donation for endowing two prizes of Rs. 20 each to the Nurses of the K. E. M. Hospital.	4 per cent. Bombay Port Trust Bonds 1913 ...	1,000	Par	1,000 0
Dr. E. Moses ...	"Mrs. Abigail Elijah Moses Prize" at K. E. M. Hospital ...	3 per cent. Conversion Loan 1946 ...	500	Par	500 0
		3 per cent. Conversion Loan 1946 ...	100	101 0	101 0
		3 per cent Conversion Loan 1946 ...	1,000	Par	1,000 0
		4 per cent. Government Loan 1960-70 ...	9,000	88 0	7,920 0
Messrs. Win and Co., Solicitors, on behalf of the executors of the will of the late Mr. Kassamji Ranchhodji Desai.	"Kassamji Ranchhodji Prize" at K. E. M. Hospital ...	3 per cent. Government Loan 1963-65 ...	1,200	98 6	1,180 8
		3 per cent. Conversion Loan 1946 ...	900	101 0	909 0
		3 per cent. Municipal Debentures ...	300	Par	300 0
		3 per cent. Conversion Loan 1946 ...	500	Par	500 0
Dr. H. D'Sa ...	Mrs. D'Sa Memorial Gold Medal at G. S. M. College ...	4 per cent. Bombay Port Trust Debentures ...	3,000	Par	3,000 0
Mrs. Luxmibai Kane ...	Dr. G. W. Kane Memorial Gold Medal at G. S. M. College ...	3 per cent. Conversion Loan 1946 ...	1,200	101 0	1,212 0
Mr. N. Dhume ...	Narayan Dhume Prize at G. S. M. College ...	3 per cent. Conversion Loan 1946 ...	1,000	Par	1,000 0
Mr. Parmanand Krishnarao Rele ...	Dakurnath Krishnarao Rele Prize ...	3 per cent. Conversion Loan 1946 ...	500	101 0	505 0
Prof. Khanolkar Farewell Fund Committee ...	Prof. V R. Khanolkar Prizes ...	3 per cent Conversion Loan 1946 ...	5,700	Par	5,700 0
		Do. ...	1,900	Par	1,900 0
Dr. P. T. Patel Memorial Fund Committee ...	Dr. P. T. Patel Entrance Scholarship at G. S. M. College ...	Do. ...	5,200	Par	5,200 0
		Do. ...	100	Par	100 0
Do. Do	Dr. P. T. Patel Prize at G. S. M. College ...	Do. ...	3,100	Par	3,100 0
Seth G. S. M. College & K. E. M. Hospital Staff Farewell Fund Committee. ...	The Seth G. S. M. College and K. E. M. Hospital Staff Fund for awarding prizes and making grants for attending Medical & Scientific conferences etc. ...	Do. ...	9,400	Par	9,400 0
		Do. ...	1,700	Par	1,700 0
Dr. R. N. Cooper. ...	Jangoo Shavaksha Marzban Prize ...	Do. ...	2,100	Par	2,100 0
Dr. R. N. Cooper. ...	Bai Banoobai Nusserwanji Cooper Prize ...	Do. ...	9,000	Par	9,000 0
Lakdawala Sisters ...	Mrs. Soonamai Bapuji Cama Prizes ...	Do. ...	500	Par	500 0
Dr. Padshah Memorial Committee ...	Dr, Padshah Research Scholarship ...	Do. ...	34,000	Par	34,000 0
Mr. V. H. Hazrat ...	Miss. Manorama Hazrat Memorial Prize ...	Do. ...	1,900	Par	1,900 0
Dr. R. V. Phansalkar ...	Vasant Phansalkar Memorial Prize ...	Do. ...	1,600	Par	1,600 0
Dr. K. W. Dani ...	K. W. Dani Scholarship at G. S. M. College. ...	Do. ...	1,000	Par	1,000 0
		Scholarships—Total, Carried over Rs. ...	1,48,600		1,43,311 0

Appendix No. 16-C—*Concluded.*

Name of donor.	Object for which the endowment is given.	Particulars of Securities.	Face value.	Rate per cent.	Book value.
			Rs.	Rs. a.	Rs. a.
		Brought forward Rs. ...	1,48,600		1,43,311 0
Dr. A. L. Nair ...	Dr. A. L. Nair Memorial Scholarship and Prize Distribution Fund" at T. N. M. College ...	3 per cent Conversion Loan 1946 ...	7,300	Par	7,300 0
Master Vishwanath Narayan Sambhoo and Dr. N. V. Ajinkye.	,, Master Vishwanath Narayan Sambhoo Scholar ship and Dr. N. V Ajinkya's Silver Medal" at T. N. M. College ...	Do. ...	3,200	Par	3,200 0
Dr. V. G. Rele ...	"Dr. V. G. Rele Gold Medal" at T. N. M. College.	Do. ...	300	Par	300 0
Dr. D. B. Pandya ...	"Dr. D. B. Pandya's Prize in Books" at T. N. M. College.	Do. ...	1,000	Par	1,000 0
Dr. H. A. Maniar ...	"Dr. H. A. Maniar Gold Medal" at T. N. M. College ...	Do. ...	1,000	Par	1,000 0
Shankarsheth Family ...	For maintenance of a bed at B. Y. L. Nair Hospital ...	Do. ...	30,500	Par	30,500 0
Dr. P. C. Bharucha ...	"For the library at G. S. M. College" ...	3½ per cent Bombay Municipal Debentures ...	99,000	100-8	99,495 0
Dr. Bacha Memorial Fund ...	"For purchase of books and journals for the library at G. S. M. College ...	3 per cent Conversion Loan 1946 ...	25,000	Par	25,000 0
Dr. N. A. Purandare Prize ...	"Dr. N. A. Purandare Prize in midwifery and Gynaecology" ...	Do. ...	100	Par	100 0
		4 per cent B. I. T. Debentures ...	1,000	Par	1,000 0
		4 per cent Municipal Debentures ...	3,500	Par	3,500 0
		Scholarship, Total Rs. ...	3,20,500	Per	3,15,706 0
	Clothing.	3 per cent. Conversion Loan 1946. ...	10,000	Par	10,000 0
		Do. do. ...	18,600	Par	18,600 0
		Do. do. ...	2,000	Par	2,000 0
Messrs. Ardeshir Hormasji Dinshaw and Co., on behalf of the Advocate-General.	Donation for the grant of warm clothing to patients discharged from the K. E. M. Hospital out of interest realised on securities.	4 per cent. Government Loan 1960-70 ...	8,000	88 0	7,040 0
		4 per cent. Government Loan 1960-70 ...	4,800	87 10	4,206 0
		4 per cent. Government Loan 1960-70 ...	2,000	76 5	1,526 4
		3 per cent. Loan 1953-65 ...	4,000	98 0	3,920 0
		4 per cent. Bombay Improvement Trust Debentures ...	100	Par	100 0
		Clothing, Total Rs. ...	49,500		47,392 4
	Education.				
The Society for the Promotion of Education among the masses known as the Dadabhoy Nowrosji Poor Boys' Seminary.	Donation for the Promotion of Education among the masses ...	3 per cent. Conversion Loan 1946. ...	5,000	Par	5,000 0
		Do. do.	3,000	Par	3,000 0
President, Dharmajirao Rokade Free Reading Room & Library		Do. do. ...	900	Par	900 0
		Education Total Rs. ...	8,900		8,900 0
Mr. Mansukhlal Chaganlal ...	*Poor Box Charity.*				
	Donation towards the Poor Box Charity Fund at K. E. M. Hospital ...	4 per cent. Government Loan 1960-70 ...	5,700	88 12	5,058 12
The Estate Agent, Bombay Improvement Trust on behalf of the staff.	Donation towards the Poor Box Charity Fund ...	4 Do. do. 1960-70 ...	100	88 0	88 0
Mr Malloo Baloo ...	Donation in memory of Bai Rajiabai Malloo Yadav towards the Poor Box Charity Fund.	3 per cent. Municipal Debentures ...	1,000	Par	1,000 0
		Poor Box Charity, Total Rs. ...	6,800		6,146 12
	Convalescent Home.				
		3 per cent. Government Loan 1951-54 ...	6,000	Par	6,000 0
		3 per cent. Conversion Loan 1946. ...	1,31,700	Par	1,31,700 0
		4 Do. Government 1960-70 ...	20,000	Par	20,000 0
Dean, K.E.M. Hospital and purchased out of accumulated interest on the Securities held in the fund ...	Donation out of Poor Box Charity Fund for a Convalescent Home ...	4 Do. Bombay Port Trust Debentures ...	4,000	Do.	4,000 0
		4 Do. Bombay Improvement Trust Debentures ...	24,000	Do.	24,000 0
		5 Do. Bombay Municipal Debentures ...	18,000	Do.	18,000 0
		6 Do. do. do. ...	12,000	Do.	12,000 0
		3 Do. do. do. ...	11,900	Do.	11,900 0
		3½ Do. do. ...	1,900	Par	1,900 0
	Blood Bank.				
		Convalescent Home, Total Rs. ...	2,29,500		2,29,500 0
Seth Shantilal Mathuradas Parikh ...	Endowment for the maintenance of a Blood Bank (out of Rs. 1 lac donated for construction and maintenance of Blood Bank.) ...	3 per cent. Conversion Loan 1946. ...	38,600	Par	38,600 0
		Grand Total Rs. ...	6,53,800		† 6,46,245 0

J. K. DARUVALA,
Chief Accountant.

† Including the Cash balance of Rs. 103-7-2 with the Imperial Bank of India in respect of the Convalescent Home, the Endowment Fund stands at Rs. 6,46,348-7-2 as Shown in Appendix No. 6

B. K. PATEL,
Municipal Commissioner.

Appendix No. 17.

Statement showing the quantity and value of several articles upon which Town Duty was levied during 1947-48 under section 192(1) of the City of Bombay Municipal Act of 1888.

Months and Year.	Ghee and Vanaspati (Class A) per Maund and Tin Ghee per Tin.	Flour of all sorts of Wheat flour or any mixture thereof, ground in the private limits of the Island City which flour is imported by land or by sea from outside limits (Class A) per Maund.	Wheat and Gram (under the A sea gallon and the Local area gallon Rules 1-6-1925) per Maund.	Rice and Paddy (under the Rice Paddy and Gram Rules 1-6-1925) per Maund.	Gram (under the Rice Paddy and Gram Rules 1-6-1925) per Maund.	Cement (under the gallon Rules 1-6-1925) per Cask.	Timber (R.S. no Measurement Rules 1-6-1925) per Cubic Foot.	Firewood (as per Local Area Wood Rules 1-6-1925) per Ton.	Charcoal @ Re. 1 per Ton.	Tar @ One % per Cwt.	Coal @ Annas 1 per Cwt.	Tea (Class A) per Cwt.	Wet Dates @ As. 8 per Cwt.	Cement @ As. 4 per Ton.	Iron and Steel @ Rs. 8 per Ton.	PAPER. Boxes Printed @ As. 3 per Cwt.	PAPER. Cards and Other Articles @ As. 3 per Cwt.	PAPER. Boxes Empty @ As. 3 per Cwt.	Tinned provisions @ 40%	Bamboos	Articles not otherwise specified in this schedule (Class A) per Maund or Tin or Cwt. as the case may be	Total.
	Maunds	Amount of duty.	Maunds	Amount of duty.	Gallons	Amount of duty.	Cubic	Amount of duty.	Tons.	Amount of duty.	Tons.	Amount of duty.	Cwts.	Amount of duty.	Cwts.	Amount of duty.	Tons.	Amount of duty.	Cwts.	Amount of duty.	Cwts.	Amount of duty.	Cwts.	Amount of duty.	Value.	Amount of duty.	Pkgs.	Rs.	Rs.
I.—Town Duty realised by Octroi Staff.																											
1947—																											
April																											
May																											
June																											
July																											
August																											
September																											
October																											
November																											
December																											
1948—																											
January																											
February																											
March																											
Total																											
II.—Town Duty realised by C.I.P. Railway.																											
1947—																											
April																											
May																											
June																											
July																											
August																											
September																											
October																											
November																											
December																											
1948—																											
January																											
February																											
March																											
Total																											
III.—Town Duty realised by E.B.&C.T. Railway.																											
1947—																											
April																											
May																											
June																											
July																											
August																											
September																											
October																											
November																											
December																											
1948—																											
January																											
February																											
March																											
Total																											
IV.—Town Duty realised by Harbour and Creek Ferry Staffs.																											
1947—																											
April																											
May																											
June																											
July																											
August																											
September																											
October																											
November																											
December																											
1948—																											
January																											
February																											
March																											
Total																											
Grand Total																											
Deduct—Refund granted under R. & T.O.																											
Net Revenue																											

Commission etc. charges on General Town Duty collected by :—

Months.	Bombay Port Trust.	C. I. P. Railway.	B.B.&C. I. Railway.	Total.
1947—				
April				
May				
June				
July				
August				
September				
October				
November				
December				
1948—				
January				
February				
March				
Total				

	Rs.	Rs.
Total Collection of Town Duty for 1947-1948		
Add—Outstanding on 31st March, 1947 due from—		
Bombay Port Trust		
C. I. P. Railway		
B. B. & C. I. Railway		
Deduct—Outstanding balances on 31st March 1948 due by—		
Bombay Port Trust		
C. I. P. Railway		
B. B. & C. I. Railway		
Total amount of Commission, etc., thereon for the collection of Town Duty during the year		
Refunds Paid in 1947-48—		
For previous years		
For 1947-48		
Refunds—		
Refunds outstanding for 1947-48		
Add—Refunds sanctioned by M.C. for issue of cheques necessary etc. as on 31st March 1948 but not received by Refund Authorities during 1947-48		
Amount of refunds sanctioned by M. C. during the previous years 1946-47 & 1946-1947 and 1947-48 but not received by Refund Authorities on 31st March 1948 as per Schedule 'A'		
Refund sanctioned by R. & T. O. for issue in 1947-48		
Less—Refunds issued by Chief Accountant		
Refund outstanding		

J. K. DARUVALA,
Chief Accountant.

R. K. PATEL,
Municipal Commissioner.

Appendix

Income of the Bombay Municipality from the year

Year.	Gross Valuation.	House Rate.	General Tax.	Wheel Tax and Tolls.	Licences for Trades, Land Conveyances, Music, etc.	Town Duties.	Cotton Duty.	Liquor Licences.	Tobacco Licences.	
		TAXATION PROPER								
	Rs.	Consolidated Rate.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1932-33 ...	14,41,33,933	@ 11%	1,20,42,747	10,70,340	1,71,385	11,27,188	8,28,856	1,43,750	3,50,771	@ ½%
1933-34 ...	14,32,51,802	@ 11%	1,22,45,281	10,57,393	1,69,759	14,02,738	8,86,189	1,43,750	2,54,247	Do.
1934-35 ...	14,54,15,785	@ 12%	1,33,68,984	11,46,683	1,78,149	13,87,977	*758	1,43,750	3,65,150	Do.
1935-36 ...	14,72,00,410 †Rateable Value	Do.	1,28,88,990	11,13,357	1,82,301	14,77,756		1,43,750	3,28,225	Do.
1936-37 ...	13,31,56,299	@ 11%	1,26,18,595	10,74,038	1,92,968	14,48,130		1,43,750	3,93,000	Do.
1937-38 ...	13,62,69,866	Do.	1,25,73,931	14,29,080	1,93,564	13,09,001		1,43,750	4,14,250	Do.
1938-39 ...	13,48,69,247	Do.	1,36,06,715	13,69,662	2,09,522	15,52,261		1,43,750	1,58,970	Do.
1939-40 ...	13,97,61,676	Do.	1,34,47,825	12 74,008	2,38,219	13,78,340		...	...	Do
1940-41 ...	14,14,61,189	Do.	1,38,54,785	13,59,332	2,33,806	14,24,031		...	.	Do.
1941-42 ...	14,27,65,826	Do.	1,39,20,308	14,70,207	2,33,096	18,48,316		...	..	Do.
1942-43 ...	14,63,63,848	Do.	1,47,94,959	18,14,308	2,32,983	14,82,649		...	...	Do.
1943-44 ...	15,93,54,514	Do.	1,53,51,010	16,46,989	2 57,465	16,17,662		...	...	Do.
1944-45 ...	16,00,98,370	Do.	1,59,44,469	17,58,787	2,62,101	19,40,054	...	...	...	Do.
1945-46 ...	16,71,69,555	@ 12%	1,83,61,824	18,75,449	2,74,845	20,95,634	...	...	...	Do.
1946-47 ...	17,14,40,860	@ 14%	2,14,07,728	19,39,863	2,68,634	16,18,470	...	...	...	Do.
1947-48 ...	17,78,96,754	@ 14%	2,29,65,301	23,39,246	6,07,008	87,75,728	...	...	...	@ ½% From 1-4-48 @ ¾% From 1-10-48

*Abolished with effect from 1-4-1934.
†As per S. C. R. No. 646, dated the 3rd October 1935

J. K. DARUVALA,
Chief Accountant.

Appendix

Expenditure of the Bombay Municipality

Year.	General Superintendence.	Assessment and Collection.	Fire Brigade.	Public Works (Engineering) Department.	Public Health Department.	General Stores.	Pensions and Gratuities and Provident Fund.	Education.	Medical Relief.	Debt.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1932-33 ...	3,85,083	4,66,482	3,02,499	55,88,550	31,25,898	62,292	8,16,812	32,45,592	17,13,017	1,33,53,226
1933-34 ...	3,77,708	4,58,593	2,69,016	53,90,313	29,83,376	61,293	9,48,829	32,30,720	16,56,005	1,32,22,310
1934-35 ...	3,12,069	4,53,999	2,94,402	50,68,619	29,08,983	62,330	9,85,621	32,02,997	16,48,684	1,25,93,943
1935-36 ...	4,57,885	6,21,859	3,31,127	51,72,046	28,31,750	75,535	10,01,238	32,11,219	16,85,887	1,21,43,455
1936-37 ...	4,73,635	6,35,879	3,56,413	53,03,448	28,66,924	76,752	10,58,470	33,86,264	17,96,734	1,19,45,222
1937-38 ...	4,71,811	6,28,592	4,16,289	58,01,823	29,68,240	73,772	9,34,532	35,06,561	19,15,745	1,20,46,806
1938-39 ...	5,23,131	6,58,051	3,40,593	59,84,010	29,85,995	74,450	11,70,589	36,44,231	19,51,873	1,21,88,098
1939-40 ...	5,03,569	6,71,512	3,45,411	61,16,547	31,69 113	75,741	12,08,364	38,33,790	20,72,534	1,23,36,073
1940-41 ...	5,17,249	7 50.916	3,36,242	63,91,043	32,92,424	73,870	12,47,477	41,76,076	21,11,921	1,24,94,113
1941-42 ...	5,11,192	7,62,592	3,39,989	62,17,370	31,75,222	75,905	12,73,507	41,55,226	19,34,992	1,26,83,919
1942-43 ...	5,29,154	7,71,691	3,30,152	60,10,818	32,21,516	76,290	12,74,070	42,41,771	20,62,631	1,25,66,415
1943-44 ...	5,61,389	7,84,471	3,39,551	63,23,562	35,01,906	76,435	13,19,918	47,57,820	23,58,896	1,24,57,713
1944-45 ...	5,79,837	7,88,907	3,47,768	69,55,431	35,55,521	83,096	13,58,305	53,85,510	24,14,403	1,24,88,638
1945-46 ...	5,58,655	8,06,728	3,96,054	77,91,051	37,34,719	84,367	14,77,878	61,20,009	28,34,880	1,24,41,110
1946-47 ...	7,72,645	8,81,317	5,38,505	78,41,842	50,26,744	1,03,181	18,43104	70,60,722	27,40,313	1,23,57,002
1947-48 ...	10,16,124	11,45,857	6,43,478	86,18,307	61 66.675	1,16,263	21,56,182	85,33,534	36,65,010	1,26,83,239

J. K. DARUVALA,
Chief Accountant.

No. 18.

1932-33 to close of the Financial year 1947-48.

Services rendered.					Miscellaneous.	Transfer from Post war reconstruction Fund.	Total Income including transfer from Post war reconstruction Fund.	Year.	Population by Census.	Incidence of Taxation per head of population.	Five years' average annual income.
Contribution from Insurance Companies or Fire Tax.	Total Taxation Proper.	Halal-khore Tax.	Water Tax.	Total services rendered.	Returns from Property and Miscellaneous						
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			Rs. a. p.	Rs.
5,48,757	1,62,83,794	30,78,239	63,86,907	94,65,146	42,53,441		3,00 02,381	1932-33	1,161,383	22 2 9	
5,56,824	1,67,16,181	30,88,965	62,98,417	93,87,382	53,12,408		3,14,15,971	1933-34		22 7 7	
5,58,891	1,71,50,342	31,48,555	63,27,589	94,76,144	53,06,620		3,19,33,106	1934-35		22 14 10	3,15,57,228
5,37,641	1.66,72,020	30,08,828	67,05,265	97,14,093	59,90,340		3,23,76,453	1935-36		22 11 6	
5,68,933	1,64,39,414	32,10,543	70,15,634	1,02,26,177	53,92,638		3,20,58,229	1936-37		22 15 4	
5,72,309	1,66,35,885	33,39,105	75,14,123	1,68,53,228	55,27,305		3,30,16,418	1937-38		23 10 8	
6,18,808	1,76,59,688	36,26,492	77,83,976	1,14,10,468	56,97,119		3,47,67,275	1938-39		25 . 0 6	
6,12,659	1.69,51,051	36,93,912	80,70,695	1,17,64,607	59,40,443		3,46,56,101	1939-40		24 11 7	3,49,67,552
6,46,399	1,75,18,353	37,82,518	82,25 310	1,20,07,828	61,05,584		3,56,31,765	1940-41	1,489,883	19 13 2	
6,33,068	1,81.04,995	37,55,679	86,29,048	1,23,84,727	62,76,481		3,67,66,203	1941-42		20 7 5	
6,67,934	1,89,92,833	38,74,536	91,31,751	1,30,06,287	69,02,821		3,89,01,941	1942-43		21 7 8	
6,97,400	1,95,45,526	41 21,425	1,00,15,685	1,41,37,110	67,40,897		4,03,98,533	1943-44		22 9 9	
7,24,083	2,06,29,494	43,02,628	1,10,25,653	1,53,28,281	70,19,841		4,29,77,616	1944-45		24 2 2	4,49,39,391
7,68,451	2,33,76,203	46,58,271	1,26,78,923	1,73,37,194	80,24,055		4,87,37,452	1945-46		27 5 3	
7,69,020	2,60,03,715	48,03,155	1,47,74,520	1,95,77,675	81,00.024		5,36,81,414	1946-47		30 9 6	
8,45,384	3,55,32,667	48.54,811	1,34,81,288	1,83,36,099	1,23,00,476	8,36,638	6,70,05,880	1947-48		36 2 6	

B. K. PATEL,
Municipal Commissioner

No 19.

from the year 1932-33 to the close of the financial year 1947-48.

Contributoin to the Bombay Improvements Trust.	Public Gardens.	Measures for Civil Defence.	Dearness Allowances.	Plague Expenses.	Slum Service	Works out of Post Wor Reconstruction Fund.	Miscellaneous.	Total.	Year.	Five years' average annual expenditure.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		Rs.
23,52,242	1,57,884			65,982			5,33,558	3,21,69,117	1932-33	
(a) 32,84,740	1,57,141			67,759			4,43,796	3,25,51,599	1933-34	
33,39,680	1,45,748			69,968			5,32,016	3,16,19,059	1934-35	3,19,13,361
33,42,690	1,34,179			69,060			2,15,609	3,12,97,539	1935-36	
32,22,391	1,35,584			64,436	4,14,500		1,92,837	3,19,29,489	1936-37	
34,40,225	1,35,807			71,497			3,36,482	3,27,48,184	1937-38	
34,29,454	1,56,149			73,545			3,04,181	3,34,84,350	1938-39	
37,11,006	1,76,458		57,522	89,031			3,77,367	3,47,44,038	939-40	3,45,63,303
35,73,077	1,78,329		2,98,560	73,624			4,03,477	3,59,18,406	1940-41	
36,88,945	1,65,322		3,08,010	74,621			5,54,709	3,59,21,521	194 -42	
(b) 24,69,485	1,67,090	11,55,548	9,72,830	62,514			5,53,473	3,64 65,44 8	1942-43	
(b) 26,26,997	1,95,468	3,81,622	24,45,180	99,097			8,66,424	3,90,96,449	1943-44	
27,26,785	2,33,365	69,936	34,60,430	94,086			7,53,269	4,12,95,287	1944-45	4,34,72,503
28,36,497	2,29,733	1.43,407	42,86,690	92,223	...		54,79,001	4,93,13,002	1945-46	
29,99,589	2,50,306	Cr. 23,189	57,43,782	97,661	...		29,58,806	5,11,92,330	1946-47	
29,96,319	2,86.817	68,079	66,91,158	1,50,771	...	3,69,003	13,05,858	5,66,12,674	1947-48	

(a) Includes Rs. 10,94,913 on account of increased contribution payable towards Improvement Schemes due to the amalgamation of the City Improvement Trust with the Municipality with effect from 1-10-1938 under Bombay Act XIII of 1933.

(b) The contribution is reduced by Bombay Act No. XVI of 1942.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 20.

Contrasted Statement of Income and Expenditure of the Bombay Municipality from 1932-33 to 1947-48.

Year.	Income.	Expenditure.	Difference	
			Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.
1932-1933 ...	3,00,02,381	3,21,69,117	...	21,66,736
1933-1934 ...	3,14,15,971	3,25,51,599	...	11,35,628
1934-1935 ...	3,19,33,106	3,16,19,059	3,14,047	...
1935-1936 ...	3,23,76,453	3,12,97,539	10,78,914	...
1936-1937 ...	3,20,58,229	3,19,29,489	1,28,740	...
1937-1938 ...	3,30,16,418	3,27,48,184	2,68,234	...
1938-1939 ...	3,47,67,275	3,34,84,350	12,82,925	...
1939-1940 ...	3,46,56,101	3,47,44,038	...	87,937
1940-1941 ...	3,56,31,765	3,59,18,406	...	2,86,641
1941-1942 ...	3,67,66,203	3,59,21,521	8,44,682	...
1942-1943 ...	3,89,01,941	3,64,65,448	24,36,493	...
1943-1944 ...	4,03,98,533	3,90,96,449	13,02,084	...
1944-1945 ...	4,29,77,616	4,12,95,287	16,82,329	...
1945-1946 ...	4,87,37,452	4,93,13,002	...	5,75,550
1946-1947 ..	5,36,81,414	5,11,92,330	24,89,084	...
1947-1948 ...	† 6,70,05,880	†† 5,66,12,674	1,03,93,206	...

† Includes Transfer from P.W.R. Fund Rs. 8,36,638.
†† Includes expenditure of Rs. 3,69,003 incurred on works Carried out of P.W.R. Fund.

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 21.

IMPROVEMENT SCHEMES.

General Financial Statistics.

Particulars.	1943-44.	1944-45.	1945-46.	1946-47.	1947-48.
General Account.	Rs.	Rs.	Rs.	Rs.	Rs.
Receipts.					
1. Land Revenue ...	54,75,447	60,05,405	60,27,020	60,15,188	67,93,268
2. Municipal contribution ...	26,26,997	27,26,784	28,36,497	29,99,589	29,96,319
3. Tobacco Duty ...	10,00,000	10,00,000	7,52,163	8,60,610	9,22,662
4. Miscellaneous ...	4,42,874	4,68,302	4,80,461	4,95,023	5,82,701
	95,45,318	1,02,00,491	1,00,96,141	1,03,70,410	1,12,94,950
Expenditure.					
5. Maintenance of Properties and Streets ...	18,46,284	21,39,214	24,40,902	27,72,923	28,62,488
6. Debt Charges ...	79,48,337	78,13,440	77,63,686	76,59,539	77,05,594
7. Repayment of excess amount received on account of Contribution from Municipal Corporation ...	...	...	...	...	...
	97,94,621	99,52,654	1,02,04,588	1,04,32,462	1,05,68,082
8. Surplus (+) or Deficits (—) ...	—2,49,303	+2,47,837	—1,08,447	—62,052	+7,26,868
Loans.					
9. Debt outstanding ...	16,12,80,506	15,83,65,640	15,77,67,906	15,71,76,695	15,65,96,377
10. Redemption and Sinking Funds in hand or invested ...	3,30,19,732	3,48,65,804	3,70,00,838	3,92,29,785	4,15,65,362
11. Net Loan Debt ...	12,82,60,774	12,34,99,836	12,07,67,068	11,79,46,910	11,50,31,015

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 22.

IMPROVEMENT SCHEMES.

General Account for the year ending 31st March 1948.

Particulars.	Amount.	Particulars.	Amount.
	Rs.		Rs.
To Revenue expenditure as per Appendix No. 24 ...	1,05,68,082	By Revenue Receipts as per Appendix No. 23 ...	1,12,94,950
Balance being Surplus for the year transferred to Capital Account Balance Sheet—(Appendix No. 25)	7,26,868		
Total ...	1,12,94,950	Total ...	1,12,94,950

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 23.

IMPROVEMENT SCHEMES.

GENERAL ACCOUNT.

INCOME.

Statement showing the Net Receipts during the Financial year 1947-48 from all sources as contrasted with the Original Budget Estimate.

Particulars.	Budget Estimate for 1947-48.	Revised Estimate for 1947-48.	Actuals for 1947-48.	Actuals for 1946-47.	Compared with the Original Estimate	
					More.	*Less*
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—RENTS AND OTHER PROCEEDS OF PROPERTIES—						
(1) Lands comprised in Schedule W ...	5,40,215	5,39,571	5,52,731	5,38,985	12,516	...
(2) Do. do. X ...	1,22,785	1,28,419	1,21,513	1,20,780	...	1,272
(3) Do. do. Y ...	1,08,169	1,08,080	1,12,632	1,05,686	4,463	...
(4) Do. do. Z ...	204	204	204	204	...	...
(5) Other Lands and Buildings ...	50,92,501	54,48,550	60,06,188	52,49,533	9,13,687	...
	58,63,874	62,24,824	67,93,268	60,15,188	9,30,666	1,272
II.—Contribution from the Municipal Corporation under Section 125(2)(*d*) of the Municipal Act ...	30,86,302	29,96,312	29,96,319	29,99,589	...	89,983
III.—Receipts on account of Tobacco Duty ...	10,00,000	9,22,662	9,22,662	8,60,610	...	77,338
IV.—Interest and Profit on Investments ...	3,85,000	4,20,000	5,51,446	4,66,389	1,66,446	...
V.—Miscellaneous Receipts ...	30,500	26,500	31,255	28,634	755	...
Total Income ...	1,03,65,676	1,05,90,298	1,12,94,950	1,03,70,410	10,97,867	1,68,593

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 24.

IMPROVEMENT SCHEMES

GENERAL ACCOUNT.

EXPENDITURE.

Statement showing the Actuals as compared with the Final Sanctioned Grants for 1947-48.

Particulars.	Final grants sanctioned for expenditure during 1947-48.	Actuals for 1947-48.	FINAL GRANTS COMPARED WITH THE ACTUALS		Actuals for 1946-47.
			Amount required to be renewed in 1948-49.	Savings.	
1	2	3	4	5	6
	Rs.	Rs.	Rs.	Rs.	Rs.
A.—Maintenance of Properties and Streets.					
(*a*) Maintenance of Properties—					
I—Lands comprised in Schedule W ...	1,83,306	1,38,793	360	44,153	1,40,062
II— Do. do. X ...	41,941	30,688	50	11,203	31,608
III— Do. do. Y ...	34,707	26,336	...	8,371	25,640
IV— Do. do. Z ...	64	48	...	16	49
V—Other Lands and Buildings—					
(1) Schemes ...	19,14,130	14,83,091	86,675	3,44,364	13,62,248
(2) Chawls Permanent ...	12,33,574	8,89,484	57,020	2,87,070	9,72,586
(3) S. P. Sheds ...	3,84,423	1,67,749	1,76,500	40,174	1,48,259
(*b*) Maintenance of Streets ...	3,66,843	1,00,295	2,60,100	6,448	64,401
(*c*) Preliminary expenses in connection with the Improvement of Slum areas ...	38,748	26,004	12,000	744	28,070
(*d*) Measures for Civil Defence ...	...	...	...	...	...
Total A.	41,97,736	†28,62,488	5,92,705 *2,49,517	7,42,543 —2,49,517	27,72,923
B.—Cost of Management and Establishment.					
(*a*) Corporation and Standing Committee ...	24,022	21,934	1,940	148	11,169
(*b*) Deputy Municipal Commissioner's Office Establishment ...	35,534	34,570	405	559	32,051
(*c*) Audit and Accounts Establishment ...	43,695	39,863	208	3,624	34,462
(*d*) Estates and Land Management Department ...	5,21,008	4,22,328	84,856	13,824	4,02,974
(*e*) City Engineer's Department ...	2,11,128	1,57,540	35,774	17,814	1,45,951
(*f*) General Stores ...	3,278	3,115	60	103	2,442
(*g*) Incidental Expenses ...	2,38,440	1,73,794	40,857	23,789	1,52,854
(*h*) Dearness Allowance (Grain Compensation) ...	7,52,000	5,07,028	50,000	1,94,972	4,69,478
Total B.	18,29,105	13,60,172	2,14,100	2,54,833	12,51,381
C.—Proportionate charge on account of Municipal Supervision ...	2,45,528	1,60,459	35,417	49,652	1,24,601
Total B and C	20,74,633	15,20,631	2,49,517	3,04,485	13,75,982
Deduct—					
Charged to Capital Account ... Rs. 85,686 ...					
Charged to General Account ... Rs. 14,34,945 ...					
	20,74,633	15,20,631	2,49,517	3,04,485	13,75,982
	...	...	...	...	...
D—Lump sum provision for revision of grades ...	72,593	...	...	72,593	...
E.—Debt Charges.					
I.—Interest on Loans ...	67,25,905	65,54,782	1,65,198	5,925	65,27,832
II.—Appropriation for reduction or avoidance of Debt ...	11,50,813	11,50,812	...	1	11,31,707
Total E.	78,76,718	77,05,594	1,65,198	5,926	76,59,539
Grand Total ...	1,21,47,047	1,05,68,082	10,07,420	5,71,545	1,04,32,462

* Rs. 2,49,517 represent expenditure on account of cost of Management and Establishment including Municipal Supervision to be allocated at the end of the year.

†This includes Rs. 14,34,945 being the share of cost of Management and Establishment chargeable to General Account.

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 25.

IMPROVEMENT SCHEMES.

Balance Sheet—(Capital Account) as at 31st March 1948.

LIABILITIES		Rs.	ASSETS		Rs.
LOANS OUTSTANDING—			BLOCK ACCOUNT—		
(*Vide* details as shown in Appendix No. 29) ...		15,65,96,377-6-0	Property and Assets at original cost as per Appendix No. 26 ...		19,12,44,892-4-9
Book value of lands comprised in Schedules "W" and "X" ...		47,58,490-0-0	Book value of lands comprised in Schedules "W" and "X" as per Appendix No. 27 (Section 91A of the Municipal Act) ...		47,58,490-0-0
SURPLUS—					
Extraordinary receipts—					
Transfer of Sinking Fund Accumulations in respect of Rs. 370 lakhs loan	25,07,830-0-0				
Special grants from the Government of India	54,00,000-0-0				
Premia on loan raised in 1935-36	30,000-0-0				
Sale proceeds of Lands and Buildings—					
	Rs.				
Sale proceeds up to 31st March 1947	5,55,08,289-4-3		SINKING FUND—		
Sale proceeds during 1947-48	17,04,403-10-6		As per Appendix No. 28		
	5,72,12,692-14-9		In Securities and Cash ...		*4,15,65,362-8-4
Sinking Fund on Loans	*4,15,65,362-8-4		CAPITAL FUNDS—		
Loans Redemption Fund	72,72,611-11-0		In Securities :—	Face Value Rs.	Rate % Actual cost. Rs.
	4,88,37,974-3-4		4½ per cent. Bombay Improvement Trust Debentures ...	19,00,000	Par 19,00,000-0-0
	11,39,88,497-2-1		3 per cent. Bombay Municipal Debentures ...	1,69,900	,, 1,69,900-0-0
Deduct—			3½ per cent. Bombay Municipal Debentures ...	18,100	,, 18,100-0-0
Revenue Deficits—			6 per cent. Bombay Improvement Trust Debentures...	39,32,600	,, 39,32,600-0-0
Deficits upto 31st March 1947	1,94,82,184-2-5		3% cent. Loan 1946	2,47,000	,, 2,47,000-0-0
Less Surplus during 1947-48	7,26,867-15-1		do.	1,000	101 1,010-0-0
	1,87,55,316-3-4		4 per cent. Punjab Govt Bond	100	105/10 105-10-0
		9,52,33,180-14-9		62,68,700	62,68,715 10 0
			In Cash and fixed deposits...		1,27,50,587-13-8
					†1,90,19,303-7-8
Total Rs. ...		25,65,88,048-4-9	Total Rs. ...		25,65,88,048-4-9

* For Face, Book and Market Values of Securities held in the Sinking Funds on 31st March 1948, please see Appendix No. 30.

† Against this, there is a liability to the extent of Rs. 10,07,420 on account of outstanding charges for 1947-48 and previous years payable in the year 1948-49 and of Rs. 25,000 in respect of outstanding Debentures of the loan of Rs. 25 lakhs (1929).

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 26.

IMPROVEMENT SCHEMES.

Block Account showing details of Capital Expenditure upto 31st March 1948

Particulars.	Total Capital Expenditure upto 31st March 1947.	Expenditure during 1947-48.	Total Capital Expenditure upto 31st March 1948.
	Rs.	Rs.	Rs.
CAPITAL ACCOUNT.			
Improvement and Street Schemes—			
Schedule W Lands ...	13,45,571	...	13,45,571
Schedule X Lands ...	16,26,471	...	16,26,471
Schedule Z Lands ...	8	...	8
Scheme No.			
1 First Nagpada ...	29,16,099	...	29,16,099
2 Princess Street ...	85,08,865	...	85,08,865
3 Sandhurst Road ...	1,13,79,105	...	1,13,79,105
4 Gamdevi ...	22,88,002	...	22,88,002
5 Dadar-Matunga ...	99,73,581	39,556	1,00,13,137
6 Sion-Matunga ...	1,09,17,125	1,30,773	1,10,47,898
7 Colaba Reclamation ...	4,78,538	...	4,78,538
8 Mandvi-Koliwada ...	26,52,501	...	26,52,501
13 Souter Street Extension—East-wards ...	68,102	...	68,102
27 Mathew Road ...	14,11,129	...	14,11,129
29 Nowroji Hill ...	85,33,018	...	85,33,018
30 Souter Street Extension—West-wards ...	1,30,512	...	1,30,512
31 Parel ...	91,04,651	...	91,04,651
32 East Agripada ...	50,57,935	...	50,57,935
33 Bhatwadi ...	3,28,433	...	3,28,433
36 Lamington Road ...	2,91,191	...	2,91,191
37 Sydenham Road ...	1,40,39,666	428	1,40,40,094
41 Undria Street ...	5,72,800	...	5,72,800
43 Parel Road Central ...	38,97,348	...	38,97,348
47 Parel Road Northern ...	52,96,546	...	52,96,546
49 Nepean Sea Road—Reclamation ...	3,053	...	3,053
50 Mazagaon Street ...	32,47,701	...	32,47,701
52 Worli Street ...	2,33,15,014	677	2,33,15,691
53 Foras Road ..	36,82,009	...	36,82,009
54 Kolbhatwadi ...	21,79,254	...	21,79,254
56 Dharavi Street ...	75,06,051	1,01,556	76,07,607
57 Sewri-Wadala ...	2,01,46,030	1,80,621	2,03,26,651
58 Worli-Extension ...	43,33,700	36,103	43,69,803
59 Sewri-Koliwada ...	5,50,563	...	5,50,563
60 Naigaum Street ...	75,71,604	...	75,71,604
61 Fergusson Road ...	15,68,030	...	15,68,030
62 Love Lane ...	16,18,731	...	16,18,731
66 Mahaluxmi ...	4,86,705	...	4,86,705
69 Widening of Byculla Bridge...	7,20,290	...	7,20,290
71 Chaupati Street ...	24,085	...	24,085
Chaupati Reclamation ...	1,889	...	1,889
East Chaupati Estate ...	4,380	...	4,380
72 Tripartite Road ...	2,26,898	31	2,26,929
73 Palton Road ...	2,62,344	...	2,62,344
74 Sion Overbridge ...	20,649	41	20,690
Lump Provision for Acquisition ...	6,136	...	6,136
Lump Provision for Housing Accommodation to the Poorer Classes ...	144	1,807	1,951
76 Lohar Chawl Gully ...	975	547	1,522
Carried forward ...	17,82,93,432	* 4,92,140	17,87,85,572

Particulars.	Total Capital Expenditure upto 31st March 1947.	Expenditure during 1947-48.	Total Capital Expenditure upto 31st March 1948
	Rs.	Rs.	Rs.
Brought over ...	17,82,93,432	4,92,140	17,87,85,572
Police Accommodation Schemes.			
Scheme No.			
14 First Nagpada ...	84,450	...	84,450
16 Wodehouse Road ...	3,22,667	...	3,22,667
17 Duncan Road ...	58,981	...	58,981
18 Shepherd Road ...	36,223	...	36,223
19 Agripada ...	1,79,120	...	1,79,120
23 Connaught Road ...	79,495	...	79,495
24 Princess Street ...	2,65,953	...	2,65,953
25 Gamdevi ...	1,29,407	...	1,29,407
34 Lamington Road ...	4,61,024	...	4,61,024
35 Sandhurst Road West ...	1,46,104	...	1,46,104
39 Sandhurst Road East ...	7,58,893	...	7,58,893
40 Byculla ...	8,28,411	...	8,28,411
44 Maharbaudi ...	2,71,434	...	2,71,434
45 Palton Road ...	5,71,492	...	5,71,492
46 Naigaum ...	5,69,142	...	5,69,142
48 Mahim ...	4,53,032	...	4,53,032
55 Chinchbunder Road ...	4,32,656	...	4,32,656
55A Mazagaon ...	4,53,560	...	4,53,560
63 King's Circle (Matunga) ...	4,82,185	...	4,82,185
67 Naigaum (for Armed Police and Recruits) ...	24,42,031	...	24,42,031
70 Arthur Road ...	1,58,357	...	1,58,357
	91,84,617	...	91,84,617
Mill Company's Chawl Schemes.			
Scheme No.			
42 Spring Mills ...	5,18,990	...	5,18,990
51 Century Mills ...	1,29,980	...	1,29,980
65 David Mills ...	2,96,852	...	2,96,852
	9,45,822	...	9,45,822
Miscellaneous.			
Survey of the Island of Bombay...	1,06,046	...	1,06,046
Administrative Offices, etc.—			
Building on Esplanade Road near Queen's Statue ...	3,21,562	...	3,21,562
Engineer's Office at Matunga ...	1,38,468	...	1,38,468
Central Stores at the back of Frere Fletcher School ...	15,656	...	15,656
Store yard at Agripada. etc. ...	83,801	...	83,801
Workshop for Motor Lorries at Agripada ...	90,368	...	90,368
Tools and Plant ...	559	...	559
Refund of preliminary expenses to Government ...	38,019	...	38,019
Preliminary expenses in connection with the Improvement of slum areas ...	68,816	...	68,816
	8,63,295	...	8,63,295
Discount on Loans ...	14,53,359	...	14,53,359
Expenses in connection with the Loan of Rs. 10 lakhs ...	12,227	...	12,227
	14,65,586	...	14,65,586
Grand Total ...	19,07,52,752	* 4,92,140	19,12,44,892

* This figure includes Rs. 85,686 being the share of cost of Management and Establishment chargeable to Capital Account.

J. K. DARUVALA,
Chief Accountant

B. K. PATEL,
Municipal Commissioner.

Appendix No. 27.

IMPROVEMENT SCHEMES.

Statement showing Capital value of Scheduled Lands as specified in the Schedules W, X, Y and Z annexed to Act XIII of 1933.

Properties.	Area.	Book value.	Total Amount.
SCHEDULE "W".	Sq. yds.	Rs.	Rs.
The Flats ...	12,52,834	1,14,191	
The Kennedy Sea Face ...	4,447	...	
(Cooperage Plot resumed by Government)			
The Marine Lines Estate ...	32,825	3,28,250	
(Marine Lines Maidan resumed by Government).			
The Wellington Lines Plot ...	44,038	4,40,380	
The Wodehouse Road Plot ...	41,580	4,15,800	
The Hornby Road Plot ...	41,774	8,35,480	
The Triangular Plot South of Crawford Market ...	7,707	1,54,140	
The Plot North of Municipal Offices ...	6,811	2,04,330	
The Chaupati West Estate ...	1,11,276	6,37,320	
The Chaupati East Estate ...	4,789	47,890	
The Parel Estate ...	30,804	99,000	32,76,781
SCHEDULE "X"			
The Connaught Road Estate ...	13,858	77,237	
The West Agripada Estate ...	2,27,971	6,64,534	
The Central Agripada Estate ...	2,911	10,528	
The East Agripada Estate ...	65,885	6,38,426	
The Lands at Matunga	86,187	90,984	14,81,709
SCHEDULE "Y".			
The Nepean Sea Road Plot ...	2,014		...
The Colaba Reclamation ...	46,580		...
SCHEDULE "Z".			
The Hornby Road Plot ...	3,250		.....
			47,58,490

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix No. 28.

IMPROVEMENT SCHEMES.

SINKING FUND.

Statement showing the actual Investments on account of the Sinking Fund of different Improvement Trust Loans upto 31st March 1948 compared with the amounts which should have accumulated upto that date on the basis of the fixed Instalments and the sums set aside as Sinking Fund as at 31st March 1948.

	Name of Loan.		Amount raised.	When raised.	When repayable.	Amount of Half Yearly Sinking Fund Instalment.	Amount of Sinking Fund which should have accumulated upto 31st March 1948 at Compound Interest.
	1		2	3	4	5	6
	4½ per cent. basis.		Rs.			Rs.	Rs.
5	*per cent.* Debenture Loan	...	40,00,000	10th November 1919	... 1st November 1957 ... 1st November 1979 ...	6,696	7,37,013
6	Do. do.	...	(a) 70,00,000	30th April 1920	... 1st April 1935 ... 1st April 1980 ...	21,002	*8,80,229
4½	Do. do.	...	45,00,000	20th February 1922	... 20th February 1982 ...	7,533	7,30,026
4½	Do do.	...	52,00,000	2nd October 1922	... 2nd October 1982 ...	8,705	7,90,040
4½	Do. do.	...	8,00,000	22nd January 1923	... 22nd January 1983 ...	1,340	1,21,611
4½	Do. do.	...	82,00,000	Do.	... Do. ...	13,727	12,45 833
4½	Do. do.	...	30,00,000	14th March 1923	... 14th March 1983 ...	5,022	4,55,782
4½	Do. do.	...	40,00,000	2nd November 1923	... 2nd November 1983 ...	6,696	5,68,307
4½	Do. do.	...	20,00,000	2nd January 1924	... 2nd January 1984 ...	3,348	2,84,152
4½	Do. do.	...	29,00,000	5th March 1924	... 5th March 1984 ...	4,855	412,,053
4½	Do. do.	...	20,00,000	1st November 1924	... 1st November 1984 ...	3,348	2,65,308
4½	Do. do.	...	60,00,000	10th November 1924	... 10th November 1984 ...	10,044	7,95,930
4½	Do. do.	...	20,00,000	2nd January 1925	... 2nd January 1985 ...	3,348	2,65,308
4½	Do. do.	...	20,00,000	2nd October 1925	... 2nd October 1985 ...	3,348	2,47,284
4½	Do. do.	...	15,00,000	2nd November 1925	... 2nd November 1985 ...	2,511	1,85,464
4½	Do. do.	...	35,00,000	2nd January 1926	... 2nd January 1986 ...	5,859	4,32,746
		Rs.	5,86,00,000			1,07,382	84,17,086
	4 per cent. basis.						
4	*per cent.* Rupee Coupon Debenture Loan	...	50,00,000	1st November 1899	... 1st November 1959 ...	10,564	(b) 29,77,579
4	Do. Debenture Loan	...	30,00,000	6th September 1901	... 6th September 1961 ...	6,280	16,27,539
4	Do. do.	...	30,00,000	15th July 1902	... 15th July 1962 ...	6,280	15,52,147
4	Do. do.	...	60,00,000	20th August 1903	... 20th August 1963 ...	12,560	29,59,351 *
4	Do. do.	...	50,00,000	7th September 1904	... 7th September 1964 ...	10,493	(c) 23,49,419
4	Do do.	...	30,00,000	12th September 1905	... 12th September 1965 ...	6,280	13,43,084
5	Do. do.	...	25,00,000	17th September 1926	... 16th September 1956 ... 16th September 1986 ...	5,233	3,39,422
		Rs	2,75,00,000			57,690	1,31,48,541
	3½ per cent. basis.						
4	*per cent.* Debenture Loan	Rs.	25,00,000	4th October 1927	... 4th April 1961 ... 4th October 1970 ...	12,695	7,26,586
	3 per cent. basis.						
4	*per cent.* Debenture Loan	...	20,00,000	2nd October 1906	... 2nd October 1966 ...	6,148	(d) 9,79,265
4	Do. do.	...	15,00,000	24th September 1907	24th September 1967 ...	4,610	7,03,994 *
4	Do. do.	...	30,00,000	8th September 1908	... 8th September 1968 ...	9,219	13,48,505
4	*per cent.* Sterling Coupon Debenture Loan (£5,66,600)	...	84,99,000	1st July 1909	... 1st July 1969 ...	25,654	36,71,804
4	Do. do. (£3,33,000)	...	49 95,000	1st July 1910	... 1st July 1970 ...	15,077	20,65,139
4	*per cent.* Debenture Loan	...	25,00,000	28th August 1912	... 28th August 1972 ...	7,683	9,40,122
4	Do. do.	...	18,00,000	26th August 1913	... 26th August 1973 ...	5,532	6,46,235 *
4	Do. do.	...	50,00,000	4th August 1914	... 4th August 1974 ...	15,365	17,12,199
4	Do do.	...	25,00,000	3rd January 1916	... 3rd January 1976 ...	7,683	8,16,010
3½	Do. do.	...	10,00,000	31st January 1936	... 14th March 1966 ...	21,019	(e) 2,98,741
		Rs.	3,27,94,000			1,17,990	1,31,82,014
	Grand Total Rs.	...	12,13,94,000			Total Rs.	† 3,54,74,227

	Amount actually invested upto 31st March 1948.				Amount of interest accrued upto 31st March 1948 collected and invested in 1948-49	Total of Columns 5 and 6.
	Amount of Sinking Fund invested upto 31st March 1947.	Sinking Fund Instalments paid in 1947-48	Interest, etc. accumulations invested in 1947-48	Total.		
1	2	3	4	5	6	7
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs a. p
Sinking Funds ...	3,92,29,784 8 2	5,70,495 0 0	17,65,083 0 2	4,15,65,362 8 4		
Less-withdrawn for repayment of Loans ...						
				4,15,65,362 8 4		
In Public Securities as detailed in Appendix No. 30 ...				4,15,65,162 3 0		
In Cash with the Imperial Bank of India.				200 5 4		
Total Rs. ...				4,15,65,362 8 4	1,26,420 15 7	4,16,91,783 7 11

(a) Out of Rs. 70 lakhs Loan Debentures for Rs. 4 lakhs held by the public were repaid on 1-4-35 under the option reserved to the Corporation, leaving balance of Rs. 66 lakhs. The amount of half-yearly Sinking Fund instalment has been changed with effect from 1-4-35 from Rs. 12,002 to Rs. 21,002 as under :—

The usual half-yearly S.F. instalment	...	Rs. 12,002
Half yearly interest at 4½% on the portion of Rs. 4 lakhs repaid out of S.F. accumulations	...	,, 9,000
		Rs. 21,002

(b) 16 instalments of Rs. 10,240 each and the rest at Rs. 10,564.
(c) 5 instalments of Rs. 10,240 each and the rest at Rs. 10,493.
(d) 1 instalment of Rs 6,037 and the rest at Rs. 6,148.
(e) This amount to be invested annually.
* Calculations have been based on one instalment less.
† All Sinking fund Instalments are re-arranged with effect from 1943-44.

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

Appendix

IMPROVEMENT

Statement showing outstanding Loans of the Bombay Improvement Trust due by the payable for the year 1947-48, the amount paid during the year and the

No.	Particulars of Loans.	Amount raised.	Balance due on 1st April 1947.	Rate of Interest	Amount raised in 1947-48	Total.
1	2		4	5	6	7
	Loans raised from Government.	Rs. a.	Rs. a. p.		Rs a.	Rs. a. p.
1	Consolidation Loan in respect of Conversion Loan 1935-36, Rs. 35 lakhs Loan, and Rs. 8 lakhs Loan ...	4,17,94,178 1	3,61,57,694 8 0	3.3759 per cent.		3,61,57,694 8 0
2	45 lakhs Loan 1922 ...	45,00,000 0	13,27,191 0 0 31,72,809 0 0	4¾ Do. 4½ Do.		13,27,191 0 0 31,72,809 0 0
3	52 lakhs Loan October 1922 ...	52,00,000 0				
4	8 lakhs Loan 22nd January 1923 ...	8,00,000 0	50,72,809 0 0	5½ Do.		50,72,809 0 0
5	82 lakhs Loan 22nd January 1923 ...	82,00,000 0	1,21,27,191 0 0	4½ Do.		1,21,27,191 0 0
6	30 lakhs Loan 14th March 1923 ...	30,00,000 0				
7	40 lakhs Loan 2nd November 1923 ...	40,00,000 0				
8	20 lakhs Loan 2nd January 1924 ...	20,00,000 0	28,00,000 0 0	5½ Do.		28,00,000 0 0
9	29 lakhs Loan 5th March 1924 ...	29,00,000 0	61,00,000 0 0	4½ Do.		61,00,000 0 0
10	20 lakhs Loan 1st November 1924 ...	20,00,000 0				
11	60 lakhs Loan 10th November 1924 ...	60,00,000 0	40,00,000 0 0	5 Do.		40,00,000 0 0
12	20 lakhs Loan 2nd January 1925 ...	20,00,000 0	60,00,000 0 0	4½ Do.		60,00,000 0 0
13	20 lakhs Loan 2nd October 1925 ...	20,00,000 0				
14	15 lakhs Loan 2nd November 1925 ...	15,00,000 0	44,00,000 0 0	5½ Do.		44,00,000 0 0
15	35 lakhs Loan 2nd January 1925 ...	35,00,000 0	26,00,000 0 0	4½ Do		26,00,000 0 0
	Total loans raised from Government ...	8,93,94,178 1	8,37,57,694 8 0			8,37,57,694 8 0
	Loans raised from the public.					
1	50 lakhs Rupee Coupon Debenture Loan 1899 ...	50,00,000 0	50,00,000 0 0	4 per cent		50,00,000 0 0
2	30 lakhs Loan 1901 ...	30,00,000 0	30,00,000 0 0	4 Do.		30,00,000 0 0
3	30 lakhs Loan 1902 ...	30,00,000 0	30,00,000 0 0	4 Do.		30,00,000 0 0
4	60 lakhs Loan 1903 ...	60,00,000 0	60,00,000 0	4 Do.		60,00,000 0 0
5	50 lakhs Loan 1904 ...	50,00,000 0	50,00,000 0 0	4 Do.		50,00,000 0 0
6	30 lakhs Loan 1905 ...	30,00,000 0	30,00,000 0 0	4 Do.		30,00,000 0 0
7	20 lakhs Loan 1906 ...	20,00,000 0	20,00,000 0 0	4 Do.		20,00,000 0 0
8	15 lakhs Loan 1907 ...	15,00,000 0	15,00,000 0 0	4 Do.		15,00,000 0 0
9	30 lakhs Loan 1908 ...	30,00,000 0	30,00,000 0 0	4 Do.		30,00,000 0 0
10	Sterling Coupon Debenture Loan 1909 (£ 5,66,600) ...	84,99,000 0	84,99,000 0 0	4 Do.		84,99,000 0 0
11	Sterling Coupon Debenture Loan 1910 (£ 3,33,000) ...	49,95,000 0	49,95,000 0 0	4 Do.		49,95,000 0 0
12	25 lakhs Loan 1912 ...	25,00,000 0	25,00,000 0 0	4 Do.		25,00,000 0 0
13	18 lakhs Loan 1913 ...	18,00,000 0	18,00,000 0 0	4 Do.		18,00,000 0 0
14	50 lakhs Loan 1914 ...	50,00,000 0	50,00,000 0	4 Do.		50,00,000 0 0
15	25 lakhs Loan 1916 ...	25,00,000 0	25,00,000 0 0	4 Do.		25,00,000 0 0
16	40 lakhs Loan 1919 ...	40,00,000 0	40,00,000 0 0	5 Do.		40,00,000 0 0
17	70 lakhs Loan 1920 ...	70,00,000 0	66,00,000 0 0	6 Do.		66,00,000 0 0
18	25 lakhs Loan 1926 ...	25,00,000 0	25,00,000 0 0	5 Do.		25,00,000 0 0
19	25 lakhs Loan 1927 ...	25,00,000 0	25,00,000 0 0	4 Do.		25,00,000 0 0
20	25 lakhs Loan 1929 ...	25,00,000 0	25,000 0 0	5½ Do.		25,000 0 0
21	10 lakhs Loan 1935 ...	10,00,000 0	10,00,000 0 0	3½ Do.		10,00,000 0 0
	Total Loans raised from the Public ...	7,62,94,000 0	7,34,19,000 0 0			7,34,19,000 0 0
	Grand Total ...	16,56,88,178 1	15,71,76,694 8 0			15,71,76,694 8 0

J. K. DARUVALA,
Chief Accountant.

No. 29.

SCHEMES.

Municipality, the interest outstanding on 1st April 1947, on the different Loans, the amount balances outstanding on 31st March 1948.

Amount repaid in 1947-48. 8	Balance due on 31st March 1948. 9		Interest outstanding on 1st April 1947. 10		Interest payable in 1947-48. 11	Total interest due. 12	Deduct interest paid during the year. 13	Outstanding balance on 31st March 1948. 14
Rs. a. p.	Rs. a. p.		Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
5,80,317 2 0	3,55,77,377 6 0		...		12,15,790 14 0	12,15,790 14 0	12,15,790 14 0	...
...	11,61,292 0 0	(a)	...		63,042 0 0	63,042 0 0	63,041 9 0	*0 7 0
...	33,38,708 0 0		...		1,42,777 0 0	1,42,777 0 0	1,42,776 6 0	*0 10 0
...	44,38,708 0 0	(b)	...		2,79,005 0 0	2,79,005 0 0	2,79,004 8 0	*0 8 0
...	1,27,61,292 0 0		...		5,45,724 0 0	5,45,724 0 0	5,45,723 10 0	*0 6 0
...	25,00,000 0 0	(c)	...		1,47,000 0 0	1,47,000 0 0	1,47,000 0 0	...
...	64,00,000 0 0		...		2,74,500 0 0	2,74,500 0 0	2,74,500 0 0	...
...	35,00,000 0 0	(d)	...		2,00,000 0 0	2,00,000 0 0	2,00,000 0 0	...
...	65,00,000 0 0		...		2,70,000 0 0	2,70,000 0 0	2,70,000 0 0	...
...	41,00,000 0 0	(e)	...		2,31,000 0 0	2,31,000 0 0	2,31,000 0 0	...
...	29,00,000 0 0				1,17,000 0 0	1,17,000 0 0	1,17,000 0 0	...
5,80,317 2 0	8,31,77,377 6 0		...		34,85,838 14 0	34,85,838 14 0	34,85,836 15 0	*1 15 0
...	50,00,000 0 0		9,228 15 4		2,00,000 0 0	2,09,228 15 4	1,78,030 0 0	31,198 15 4
...	30,00,000 0 0		2,935 6 10		1,20,000 0 0	1,22,935 6 10	1,17,590 0 0	5,345 6 10
.	30,00,000 0 0		11,331 1 6		1,20,000 0 0	1,31,331 1 6	1,19,123 12 0	12,207 5 6
	60,00,000 0 0		16,229 15 4		2,40,000 0 0	2,56,229 15 4	2,43,866 14 0	12,363 1 4
.	50,00,000 0 0		18,245 7 6		2,00,000 0 0	2,18,245 7 6	1,96,168 2 0	22,077 5 6
. .	30,00,000 0 0		3,627 1 4		1,20,000 0 0	1,23,627 1 4	1,19,491 14 0	4,135 3 4
..	20,00,000 0 0		4,328 9 2		80,000 0 0	84,328 9 2	78,931 4 0	5,397 5 2
...	15,00,000 0 0		3,616 4 0		60,000 0 0	63,616 4 0	58,956 4 0	4,660 0 0
...	30,00,000 0 0		11,213 7 0		1,20,000 0 0	1,31,213 7 0	1,24,956 4 0	6,257 3 0
. .	84,99,000 0 0		400 0 0		3,06,442 0 0	3,06,842 0 0	3,02,932 2 8	180 0 0 *3,729 13 4
.	49,95,000 0 0		...		1,80,102 0 0	1,80,102 0 0	1,77,908 14 0	*2,193 2 0
..	25,00,000 0 0		2,120 6 8		1,00,000 0 0	1,02,120 6 8	1,00,056 14 0	2,063 8 8
...	18,00,000 0 0		3,451 3 0		72,000 0 0	75,451 3 0	71,276 4 0	4,174 15 0
....	50,00,000 0 0		12,306 12 0		2,00,000 0 0	2,12,306 12 0	1,97,525 10 0	14,781 2 0
...	25,00,000 0 0		...		1,00,000 0 0	1,00,000 0 0	1,00,000 0 0	...
.	40,00,000 0 0		4,937 8 0		2,00,000 0 0	2,04,937 8 0	2,03,337 8 0	1,600 0 0
..	66,00,000 0 0		...		3,96,000 0 0	3,96,000 0 0	3,96,000 0 0	...
...	25,00,000 0 0		825 0 0		1,25,000 0 0	1,25,825 0 0	1,15,475 0 0	10,350 0 0
...	25,00,000 0 0		5,703 12 0		1,00,000 0 0	1,05,703 12 0	97,318 12 0	8,385 0 0
...	A 25,000 0 0		2,520 13 4		... *	2,520 13 4	...	2,520 13 4
...	10,00,000 0 0		52,500 0 0		35,000 0 0	87,500 0 0	70,000 0 0	17,500 0 0
...	7,34,19,000 0 0		1,65,521 11 0		30,74,544 0 0	32,40,065 11 0	30,68,945 6 8	1,65,197 5 0 *5,922 15 4
5,80,317 2 0	15,65,96,377 6 0		1,65,521 11 0		65,60,382 14 0	67,25,904 9 0	65,54,782	1,65,197 5 0 *5,924 14 4

A—Debentures in respect of this Loan have remained unpaid owing to their not having surrendered for the re-payment upto 31st March 1948. The debentures do not carry interest from and after the due date and will be paid when surrendered for re-payment by the holders out of the Capital Fund Investment.

* To be treated as savings.

	Amount of loan outstanding on 1st April 1947.	Amount of debentures held by Govt. on 1st April 1947.	Amount of debentures re-purchased during 1947-48.	Amount of debentures held by Govt. on 31st March 1948.	Amount of debentures held by the Corporation on 31st March 1948.
	Rs.	Rs.	Rs.	Rs.	Rs.
(a)	45,00,000	13,27,191	1,65,899	11,61,292	33,38,708
(b)	1,72,00,000	50,72,809	6,34,101	44,38,708	1,27,61,292
(c)	89,00,000	28,00,000	3,00,000	25,00,000	64,00,000
(d)	1,00,00,000	40,00,000	5,00,000	35,00,000	65,00,000
(e)	70,00,000	44,00,000	3,00,000	41,00,000	29,00,000
Total ...	4,76,00,000	1,76,00,000	19,00,000	1,57,00,000	3,19,00,000

B. K. PATEL,
Municipal Commissioner.

Appendix No. 30.

IMPROVEMENT SCHEMES.

Comparison of Face, Purchase and Market Values at 31st March 1948 of the different Securities held in the Sinking Fund (vide para 32 of the Chief Accountant's Report).

Particulars of Securities.	Face Value.	Book Value.	Market rate per cent.	Value at Market rates (B. I. Trust and Municipal Debentures being valued at par).
	Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.
4 per cent. Government Loan 1960-70 ...	7,23,500	7,00,156 11 0	111 12 0	8,08,511 4 0
3 per cent. Government Loan 1963-65 ...	4,02,300	3,94,254 0 0	100 0 0	4,02,300 0 0
3 per cent. Conversion Loan 1946 repayable in 1986 or later ...	654,500	6,57,751 0 0	97 14 0	6,40,591 14 0
4 per cent. Bombay Port Trust Debentures ...	3,17,000	2,84,726 14 0	111 4 0	3,52,662 8 0
4 per cent. Bombay Municipal Debentures ...	500	486 4 0	Par	500 0 0
4 per cent. Bombay Improvement Trust Debentures ...	29,92,800	27,74,952 12 0	,,	29,92,800 0 0
4½ per cent. Bombay Improvement Trust Debentures	3,00,00,000	3,00,00,000 0 0	,,	3,00,00,000 0 0
5 per cent. Bombay Improvement Trust Debentures ...	9,81,500	9,05,409 10 0	,,	9,81,500 0 0
6 per cent. Bombay Improvement Trust Debentures ...	24,37,700	24,54,425 0 0	,,	24,37,700 0 0
3½ per cent. Bombay Municipal Debentures ...	4,23,600	4,23,600 0 0	,,	4,23,600 0 0
3 per cent. Bombay Municipal Debentures ...	16,07,400	16,07,400 0 0	,,	16,07,400 0 0
4 per cent. B. I. Trust Sterling Debentures ...	£90,800	13,62,000 0 0	Par at 1/5 s d 31/32	12,12,772 2 9
Total	Rs. 4,05,40,800 £ 90,800	4,15,65,162 3 0		4,18,60,337 12 9

J. K. DARUVALA,
Chief Accountant.

B. K. PATEL,
Municipal Commissioner.

ASSESSMENT & COLLECTION.

Subject : *Administration Report for the year 1947-48.*

Mr. L. S. Kagal, B.A., (Hons,), LL.B., continued to be in charge of the Department during the year except for the periods from 5th May 1947 to 30th May 1947 and 23rd February 1948 to 31st March 1948 when he officiated as Deputy Municipal Commissioner and from 31st May 1947 to 22nd August 1947 when he was on leave. On these occasions the undersigned officiated in his place.

Rates of Taxation.—The rates of taxation on lands and buildings and for vehicles and animals continued to be the same as in the preceding year, save in the case of fire tax included in General Tax which was increased by ¼ per cent., with effect from 1st October 1947, *vide* Corporation Resolution No. 234, dated the 12th May 1947. The rates of taxation thus stood as follows :—General Tax—(including Fire Tax) 14½ per cent. from 1st April 1947 to 30th September 1947 and 14¾ per cent., from 1st October 1947 to 31st March 1948, Water Tax 3¾ per cent., Halalkhore Tax 3 per cent., and for vehicles and animals at the maximum rates mentioned in Schedule G. The rates charged for the supply of water by meter measurement also continued to be the same as in the previous year. The rates for water by meter measurement varied during the year from Annas 10 to Rs. 2 according to the nature of properties, the minimum rate in force being charged to Government properties and the maximum to the Race Course and to Bombay Port Trust.

Properties.—The total number of properties on 31st March 1948 was 51,195 as shown in the Statement "A". Out of these, 42,165 were assessed to General Tax, 1,571 were exempted from it under Section 143(1)(*a*) of the Municipal Act, 2,998 were not taxed being small plots of waste lands etc., and 3,378 were Municipal plots. The aforesaid waste lands do not include those belonging to Government, which are not assessable unless beneficially occupied, and lands belonging to the Port Trust and the Railways, which are not separately assessed being included in their lump assessment. The number of Municipal properties exempted from General Tax under Section 143(*a*) and (*b*) of the Municipal Act during the year was 1,083.

Properties newly erected, demolished and enlarged during the year numbered 1,182, : 412 and 1,158 respectively, the corresponding figures for the year 1946-47 being 1,045, 346 and 1,062. The number of single room tenements, double room tenements and flats or blocks in the City on 31st March 1948 was 2,39,280, 53,185 and 40,832 respectively.

Rateable value.—The rateable value of properties on 31st March 1948, was Rs. 17,78,96,754 against Rs. 17,14,40,860 on 31st March 1947. It works out to Rs. 69-11-0 per head of population against Rs. 64-11-0 in the preceding year. In 108 cases the rateable value was increased by more than Rs. 2,000 net per annum.

Vehicles and Animals.—Particulars of vehicles and animals taxed during the year (exclusive of those taxed under the Public Conveyance Act) are as under:—

	Number
Four-wheeled vehicles drawn by animals ..	360
Two-wheeled vehicles drawn by animals ..	549
Motor cars (including 1,020 taxis) ..	14,053
Motor lorries ..	4,720
Horses (including those in commission stables) ..	796
Motor cycles ..	917
Motor cycles with side-cars ..	113
Hand-carts ..	6,231
Ponies ..	13
Bullocks ..	1,074

Vehicles and animals taxed under the Public Conveyance Act are as under :—

Hack victorias (including 2 horses for each) ..	2,369
Labour carts (with a pair of bullocks) ..	1,277
Hand carts ..	35

Under Section 185 of the Municipal Act, wheel tax in respect of hack-victorias, labour carts (without rubber tyres) and hand-carts (without rubber tyres) ordinarily leviable at Rs. 96, Rs. 40 and Rs. 8 per annum respectively was compounded for the calendar year 1948 at the preceding year's rate, *viz.*, Rs. 90, Rs. 35 and Rs. 6 respectively (*vide* Standing Committee Resolution No. 1668, dated the 17th December 1947), for the reason that these vehicles were required to pay the tax for the whole year in advance (*vide* Section 198 of the Municipal Act) instead of quarterly as in the case of other vehicles. The concession granted in the case of hack-victorias and labour carts amounts in effect to a rebate of one anna in the rupee on the lines of similar rebate granted by Government in the case of tax levied by them on motor vehicles in advance for one year (under the Bombay Motor Vehicles Tax Act, 1935).

The rate of tax leviable on horses kept in commission stable (there was only one commission stable during the year) for the year 1947-48 is under consideration.

Bills.—The total number of bills in respect of property taxes and wheel tax issued during the year was 94,427 and 1,09,579 respectively, of which 92,888 and 1,06,099 respectively were for 1947-48 and 1,539 and 3,480 respectively for previous years.

Total demand, Collections and outstandings of all taxes for the year 1947-48 as compared with the two previous years.

(Annas and pies are omitted. Amounts above annas 8 are taken as full Rupees and those below annas 8 are omitted).

Particulars.	Total Gross demand.	Total Net demand (after allowing drawback and amending and cancelling certain bills).	Collections during 1947-48.	Percentage.	Amount outstanding on 31st March 1948.	Percentage.
(1) Property Taxes ...	4,95,95,824	4,89,10,512	4,21,67,438	86.21	67,43,074	13.79
(2) Wheel Tax ...	25,55,749	24,91,429	19,87,497	79.77	5,03,932	20.23
1947-48 ...	5,21,51,573	5,14,01,941	4,41,54,935	85.90	72,47,006	14.10
1946-47 ...	4,96,67,633	4,91,26,883	4,31,80,411	87.90	59,46,472	12.10
1945-46 ...	4,27,59,479	4,22,10,907	3,77,73,643	89.49	44,37,264	10.51

The percentage of recovery to the total demand during the year under report was 85.9.

Particulars of outstandings.—The outstandings which, at the end of the year under report, amounted to Rs. 72,47,005-9-10 have been increased to Rs. 77,41,857-12-10 on account of issue of bills amounting to Rs. 4,94,852-3-0 after 1st April 1948 for water supplied by meter measurement to Government and private properties and for wheel tax for the year 1947-48. The increased outstandings of Rs. 77,41,857-12-10 stood reduced to Rs. 50,39,627-13-6 on 31st July 1948, an amount of Rs. 26,06,082-2-0 having been collected and bills for Rs. 96,147-13-4 having been recalled and cancelled. Further, if an amount of about Rs. 75,000 held in deposit pending settlement of disputes and an amount of Rs. 4,15,051-2-6 shown as outstanding against Government in the following statement is ignored, being disputed by Government on the ground that it is in respect of Military and Police hospitals, which, they claim, ought to be exempted like other Government hospitals for the public, which have been exempted as per decision of the High Court in Suit No. 182 of 1941, the percentage of outstandings will stand reduced from 14.1 to 8.85.

Particulars.		Amount outstanding on 31st March, 1948.		Amount recovered upto 31th July 1948.	
		Rs. a. p.		Rs. a. p.	
(1) (*a*) Government contribution (sum in lieu of general tax from 1934-35 to 1947-48 under Section 144) ..	4,15,051 2 6				
(*b*) Government (Property taxes) ..	4,52,533 9 0				
		8,67,584 11 6		3,16,906 4 0	
(2) Bombay Port Trust ..		24,623 4 0		128 4 0	
(3) Bombay Municipal Corporation (Improvements) ..		1,34,602 6 0		9,397 6 0	
(4) G. I. P. Railway ..		41,018 1 0		25,493 3 0	
(5) B. B. & C. I. Railway ..		1,37,632 6 0		10,444 2 0	
(6) Mills ..		11,407 7 0		11,407 7 0	
(7) Other rate-payers ..		60,30,137 6 4		22,32,305 8 0	
		72,47,005 9 10		26,06,082 2 0	

As regards (1)(*a*), the amount outstanding represents the sum in lieu of general tax payable by Government in respect of Police and Military Hospitals. As already stated, this claim is disputed by Government and until it is established in Court, it can only be regarded as a book entry. As regards (1)(*b*) and (2) the payment of the balance is expected to be received shortly. As regards (3), out of the balance of Rs. 1,25,205-0-0, a sum of about Rs. 86,646-0-0 is payable by the Garrison Engineer, which is under dispute and the remaining amount of Rs. 38,559-0-0 is awaiting adjustment by the Estate Agent and Land Manager. As regards (4) and (5), the payment of balance is expected to be received shortly. As regards (6), the outstanding balance has since been received. As regards (7), out of Rs. 60,30,137-6-4, a sum of about Rs. 1,80,164 is involved in suits filed or which are being filed and about Rs. 26,815 are payable by the Court Receiver and Official Assignee. A sum of about Rs. 16,41,898 is due from the Garrison Engineer (Hirings) and other officers of the Government of India in respect of buildings and lands requisitioned and structures erected by Government on the lands for military purposes. These officers have disputed payment on the ground that under Section 154 of the Government of India Act, properties vesting in the Central Government after the 1st April 1937 are not liable to be taxed in the absence of any Central legislation authorising such levy. After a prolonged correspondence Government have now agreed to refer the matter to the High Court, Bombay, for opinion by stating a special case and the Central Govetnment has been requested, through the Government of Bombay, to forward the draft of the case to be stated for the opinion of the High Court for Municipality's approval as advised by the Municipal Solicitors. A sum of about Rs. 75,000 received from ratepayers is held in deposit for want of details of bills etc. against which adjustment is to be made and also due to disputes. Further, as a result of additions and alterations carried out to several properties in the latter part of the year, amended bills to the extent of Rs. 24,61,168 had to be issued in the last month of the year 1947-48 and for want of time they could not be recovered before the close of the year. These facts tended to inflate the outstandings. The outstandings against private ratepayers within the control of the staff, at the end of the year, were about Rs. 16,45,092 against the demand of about Rs. 3,34,93,108 made against them, which comes to only 4.91 per cent. This percentage stands reduced to 3.20 if the total demand of Rs. 5,14,01,941 were taken into consideration, as against 4.69 and 3.06 respectively for the previous years.

Miscellaneous Receipts.—Miscellaneous receipts realised from notices of demand, distress warrants, battaki fees, inspection fees and other items amount to Rs.10,863-10-6 against Rs. 8,657-3-4 in the preceding year. The number of notices of demand issued and served and distress warrants issued and executed during the year was 6,461, 4,293, 4,810 and 69 respectively. In a large number of cases, the mere showing of the distress warrants proves sufficient and is not, therefore, necessarily followed by execution.

Meter Hire.—Receipts from meter hire amounted to Rs. 1,13,787-12-0 against Rs. 1,06,162-15-0 for 1946-47 and Rs. 10,796-15-0 remained to be collected at the close of the year.

Exemptions.—The amount of full exemption allowed in respect of general tax on properties entitled to such exemption under Sections 143(*1-a*) and (*1-b*) and the amount of partial exemption under Sections 144(3) and 145(3) were equivalent to Rs. 15,49,032-11-0 against Rs. 14,93,202-7-0 during 1946-47. The increase is partly due to increase in the rate of Fire Tax (included in General Tax) by ¼ per cent., with effect from 1st October 1947 and partly due to the increase in the rateable value of Government properties by about Rs. 16.62 lacs for the current quinquennium, on which under Section 144 of the Municipal Act Government have to pay 8/10ths of the sum in lieu of General Tax payable by private rateapayers.

Drawback and Refund.—The following statements show the particulars of drawback and refund claims dealt with during the year and the preceding two years :—

Drawback.

Year.	No. of claims received.	No. of claims admitted.	Percentage.	No. of claims rejected.	Percentage.	Amount of drawback allowed.
						Rs. a. p.
1947-48	49	5	10	44	90	616 0 0
1946-47	49	6	12.24	43	87.76	438 0 0
1945-46	85	8	9.40	77	90.60	668 0 0

REFUND.

Year.	No. of claims received.	No. of claims admitted.	Percentage.	No. of claims rejected.	Percentage.	Amount.		
						Vacancy.	Overcollection.	Total.
						Rs.	Rs.	Rs.
1947-48	1,921	1,558	81.10	363	18.90	61,444	6,87,431	7,48,875
1946-47	1,905	1,539	80.79	366	19.21	37,796	1,02,736	1 40,532
1945-46	1,941	1,485	76.51	456	23.49	39,915	43,722	83,637

The increase in the amount of refunds given on account of vacancies is due to the refund having been allowed during the year under report for plots de-requisitioned by Government and the increase in amount of refund on account of overcollection is due to the refund of charges for water by meter measurement amounting to about Rs. 6.13 lacs allowed to Textile Mills as the rate / per 1,000 gallons was reduced from Rs. 1-8-0 to Rs. 1-1-0 by the Standing Committee under Resolution No. 229, dated the 7th May 1947.

Complaints and appeals against valuations.—There were 1,083 complaints under Section 167 of the Municipal Act, against assessments amounting to Rs. 62,96,446 net fixed during the currency of the year, and 1,673 complaints under Section 163 against original assessments amounting to Rs. 2,93,76,934. On investigation of the complaints, the assessments were reduced to Rs. 57,12,459 and Rs. 2,91,53,544 respectively, the reduction amounting to Rs. 5,83,987 and Rs. 2,23,390 giving a percentage of 9.27 and .76 respectively.

There were 37 appeals against rateable values under Section 162(2) of the Municipal Act. Of these 21 were settled out of Court, 5 were dismissed, 5 were decided partly in favour of the Municipality and partly of the appellants, 2 were withdrawn and 4 are pending.

Suits.—7 suits were filed against ratepayers for recovery of taxes (as against 14 during 1946-47) out of which in 2 cases decrees have been obtained, 1 was allowed to be dismissed as the bills were paid before the suit reached hearing and 4 are pending.

Riot Tax.—The total amount of the riot tax collected during the year in respect of the various riots was Rs. 32-12-0, tax amounting to Rs. 25,495-5-0 was written off as irrecoverable as per the Chief Presidency Magistrate's order dated 11-2-48 and Rs. 122-0-0 only are now outstanding.

The Urban Immovable Property Tax.—The rates of taxation continued to be the same as in the preceding year (*viz.*, 7 per cent., in the case of buildings and lands, the rateable values of which were above Rs. 2,000 in each case and 3½ per cent in the case of buildings and lands the rateable values of which were Rs. 2,000 and below but not less than Rs. 500 in each case). Properties having value of less than Rs. 500 per annum continued to be exempted. The net demand in respect of the said tax was Rs. 1,12,56,556-9-3, collection Rs. 94,33,440-10-3, refund Rs. 26,629-7-0 and drawback Rs. 292-3-0. The collection of the Urban Immovable Property tax during the year amounted to about 83.80 per cent of the demand as against 86.58 per cent in the preceding year. The increase in the outstandings is due to the Garrison Engineer and certain other Central Government Officers withholding payment on the ground that lands and buildings vesting in the Central Government (including those requisitioned by them, after 1st April 1937) are not liable to any local tax by the virtue of the provisions of Section 154 of the Government of India Act.

House numbering.—During the year, one bill in respect of house numbering plates amounting to Rs. 3-12-0 was issued leaving Rs. 6-8-0 as outstanding at the close of the year.

General remarks.—The question of assessment of properties belonging to the two Railway Administrations for the quinquennium 1944-49 is under consideration of Sir Sajba S. Rangnekar (Retired High Court Judge) who has been appointed by the Government of India as Arbitrator in place of Hon'ble Mr. Justice Chagla who could not find time to proceed with the work, having been appointed as Chief Justice of Bombay. Twelve meetings have so far been held by the Arbitrator and several points were argued before him by the Counsel

or behalf of the Railway Administrations and the Municipality.Statements showing the rateable values of the properties in question on the basis of the arguments have also been filed by both the sides as directed by the Arbitrators. His decision is awaited. During the hearing Sir Sajba hinted that in order to save time and money assessment for the quinquennium 1949-54 should also be fixed to which I have agreed.

As regards the assessment of properties belonging to the Bombay Port Trust for the quinquennium 1944-49, confirmation by Bombay Port Trust Authorities, of the rateable values worked out by Municipality is awaited.

As the existing assessment under agreement of Textile Mills in the City expired on 31st March 1948, the work of re-measuring all the Mill premises was taken in hand during the year under report and the values of Mills have been revised with effect from 1st April 1948 from Rs. 91,97,080 to Rs. 1,58,77,290 (*i.e.*, a rise of nearly 72 per cent.). The Mills have however complained against the revised values and the complaints are under disposal.

Revision of the values of the remaining vacant plots of land in the City was further continued this year. The nominal assessment of these plots of lands which are merged in Municipal or private roads have been cancelled and the rateable values of the remaining plots have been adequately revised.

Exemption from payment of General Tax allowed in 21 cases was dicontinued as the circumstances under which it was given had either changed or there was no longer any justification for such exemption.

A large number of bullocks and hand-carts, which had escaped taxation, were watched, held up and taxed and wheel tax amounting to Rs. 41,446-14-0, was collected during the year. From the same source Rs. 50,405 were collected for the year 1946-47. The reason for this decrease appears to be the availability of more trucks which will more than compensate the loss in revenue on this score.

Recovery of the Tax on Race horses made through the Royal Western India Turf Club yielded Rs. 9,046-2-0 (representing a charge on 673 horses) as against Rs. 8,522-1-0 for the year 1946-47 (representing a charge on 805 horses). The increase is due to the reason that the racing season began earlier than in the preceding year.

Wheel Tax work was separated from that of property taxes in the Wards with effect from October 1947 appointing additional staff consisting of 7 Senior Motor Inspectors each in chrge of a Ward, 2 Assistant Superintendents and 13 Motor Inspectors (corresponding to Ward Inspectors) thus making the total number of Motor Inspectors 51 (*i.e.*, 32 existing posts of Ward Inspectors *plus* 6 old posts of Motor Inspectors *plus* 13 additional posts) (Corporation Resolution No. 581. dated the 11th August 1947). The ultimate object of this arrangement is to separate entirely the wheel tax work from that of property tax and to centralise the Branch by locating the Outdoor and Indoor staff under one roof. This last mentioned reform will be carried out as soon as a suitable place becomes available. It is hoped that when centralisation is effected leakage of wheel tax revenue will be stopped, settlement of disputes will be easy and recovery will be prompt.

On detecting that sums of Rs. 20,472-15-0 and Rs. 11,317-7-0 were defalcated by Ward Inspectors Messrs. R. S. Raje and D. S. Patade, they were suspended from Municipal service from 31st July 1947 and 4th August 1947 respectively and were handed over to the Police after lodging complaints against them for mis-appropriation of Municipal Taxes recovered from the rate-payers. The matter was reported to the Standing Committee (*vide* Standing Committee Resolution No. 772, dated the 13th August 1947). Judgement in the case of Mr. Raje was delivered on 10th February 1948 and he was sentenced to 6 months R.I. and fine of Rs. 1 000 in each case (*i.e.*, defalcation in 2 Wards) or in default, to undergo a further R.I. for 3 months, in each case sentences to run concurrently. He has been dismisssed from the date of his suspension. The case against Mr. Patade has not yet reached hearing. Suitable departmental action was also taken against some other employees concerned in these cases for the negligence in performance of their duties. With a view to preventing defalcations in future, the procedure for issue and recovery of bills was revised separating the receipt from the bill.

The present Assessment Manual was prepared in the year 1882, *i.e.*, about 66 years ago. Considerable changes have since taken place both in law and practice of assessment. With the growth of the City and its industrial development many sepecial classes of properties have sprung up all over the City with the result that the working of the Department has become complicated. The necessity for a comprehensive and up-to-date Manual which would serve as a guide to all was very keenly felt. The proposal for the preparetion of such a Manual was sanctioned by the Corporation under their Resolution No. 447, dated the 7th July 1947.

Out of the total number of 19,564 landlords who own properties in the City, 16,117, *i.e.*, nearly 82.4 per cent., possess only one property each. Nearly 22.8 per cent., of the total rateable value is under the control of 0.8 per cent., of the landlords (*viz.*, 154 persons only each of whom owns properties having an aggregate rateable value exceeding Rupees one lac. 4 per cet., of the remaining landlords control about 26.2 per cent., of the total rateable value. Detailed statistics would be found in Statement 'D'.

There was no occasion during the year on which the provisions of the Bombay Municipal Servants Act had to be brought into effect.

Both the Outdoor and Indoor staff worked with appreciable zeal, energy and devotion.

S. V. VARTAK,
Ag. *Assessor and Collector.*

STATEMENT "A"

Classification of properties according to user.

Serial No.	Particulars.	Total No.
1	Buildings for residential purposes ...	31,440
2	Buildings for business purposes ...	3,137
3	Mills (Textile, Oil etc.) ...	133
4	Factories ...	759
5	Petrol pumps and service stations ...	117
6	Stables ...	197
7	Garages (separately assessed) ...	1,021
8	Godowns ...	1,330
9	Docks ...	9
10	Religious properties (Temples, Mosques, etc.) ...	920
11	Charitable properties (Dharmashala, etc.) ...	305
12	Educational Institutions ...	260
13	Gymnasia, play-grounds, etc. ...	166
14	Cinema, Theatres and Studios etc. ...	77
15	Wells, Tanks, Urinals, etc. ...	648
16	Markets ...	43
17	Quarries ...	5
18	Salt Pans ...	79
19	Hospitals and Asylums ...	54
20	Lands ...	3,100
21	Properties and lands belonging to Government, Railways and Port Trust, etc. ...	7,395
	Total ...	51,195

STATEMENT "B"

Rateable value with the gross return of the Property Taxes.

(In lakhs of Rupees)

Year.	Net rateable value.	General Tax.		Water tax including water charges by meter measurement		Halalkhor Tax.		Total of taxes.
		Rate.	Return.	Rate.	Return.	Rate.	Return.	
		Percent.		Percent.		Percent.		
1943-44	1593.54	11½	171.90	3¾	102.87	3	43.27	318.04
1944-45	1600.98	11½	172.64	3¾	111.43	3	43.67	327.74
1945-46	1671.69	12½	196.37	3¾	126.32	3	47.27	369.96
1946-47	1714.41	14½	233.64	3¾	141.82	3	48.63	424.09
1947-48	1778.97	14½(For 1st H.1947-48) 14¾ (For 2nd H.1947-48)	244.72	3¾	131.04	3	50.02	425.78

STATEMENT "C"

Growth of Assessment during the past five years.

(In lakhs of Rupees)

Year.	Original Assessment Rateable Value, as fixed on 20th December.	Assessment after disposal of complaints & accounting for T.W.Rs. from December to February.	Amount of subsequent reduction during the year by demolitions and on complaints.	Subsequent enhancement New buildings, etc., enlargement and other assessment.	Final Assessment Rateable Value.	Increase Final difference over preceding year's assessment.	Classification of Rateable Value.		
							Chargeable with General Tax.	Exempted from General Tax under Section 143(1) (a)&(b)&c.	For which no bills for General Tax are issued.
1943-44 ...	1461.70	1531.39	27.77	89.92	1593.54	129.91	1494.83	98.22	.49
1944-45 ...	1563.80	1564.98	34.20	70.19	1600.98	7.44	1501.26	99.62	.10
1945-46 ...	1604.96	1631.33	57.51	17.15	1671.69	70.71	1570.97	100.46	.26
1946-47 ...	1653.65	1694.41	33.61	13.61	1714.41	42.72	1611.32	102.98	.11
1947-48 ...	1721.95	1740,93	28.39	66.43	1778.97	64.56	1673.01	105.90	.06

STATEMENT 'D'.

Properties.

Rateable Value. Groups	5	500	1,000	1,500	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	12,000	14,000	16,000	18,000	20,000	25,000	30,000	35,000	40,000	45,000	50,000	60,000	70,000	80,000	90,000	1,00,000	Total
Above ...	500	1,000	1,500	2,000	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	12,000	14,000	16,000	18,000	20,000	25,000	30,000	35,000	40,000	45,000	50,000	60,000	70,000	80000	90,000	1,00,000	...	...
Including ...																														
No. in the Groups ...	9,926	4,776	3,421	2,830	3,645	2,715	1,863	1,408	998	826	565	487	586	428	312	195	173	275	162	106	103	61	41	73	24	25	19	19	59	36,121
Percentage to Total Number ...	27.5	13.2	9.5	7.8	10.1	7.5	5.2	3.9	2.8	2.3	1.6	1.3	1.6	1.2	0.9	0.5	0.5	0.8	0.4	0.3	0.3	0.2	0.1	0.2	0.05	0.05	0.05	0.05	0.1	100
Cumulative percentage	27.5	40.7	50.2	58,0	68.1	75.6	80.8	84.7	87.5	89.8	91.4	92.7	94.3	95.5	96.4	96.9	97.4	98.2	98.6	98.9	99.2	99.4	99.5	99.7	99.75	99.8	99.85	99.9	100	

LANDLORDS

A—Owning one property	4,151	1'89	31,513	1,378	1,721	1'398	883	699	463	388	274	237	247	160	110	85	81	109	66	60	62	31	24	38	7	14	12	7	6	16,17
B.—Owning more than one property ...	85	127	129	129	253	218	185	199	139	143	130	106	183	151	141	109	88	169	118	108	70	61	42	81	53	39	19	24	148	3,447
Total No of A and B ...	4,236	2,020	1,64	31,507	1,974	1,616	1,068	898	602	531	404	343	430	311	251	194	169	278	184	168	132	92	66	119	60	53	31	31	154	19,564
Percentage to the total No. ...	21.6	10.2	8.3	7.7	10.1	8.2	5.5	4.6	3.1	2.7	2.1	1.8	2.2	1.6	1.3	1.0	0.9	1.4	0.9	1.9	0.7	0.5	0.3	0.6	0.3	0.3	0.2	0.2	0.8	100
Cumulative percentage	100	78.4	68.2	59.9	52.2	42.1	33.9	28.4	23.8	20.7	18.0	15.9	14.1	11.9	10.3	9.0	8.0	7.1	5.7	4.8	3.9	3.2	2.7	2.4	1.8	1.5	1.2	1.0	0.8	
Estimated rateable value of the group in lacs of rupees ...	12.71	15.15	20.53	26.37	49.35	56.56	48.06	49.39	39.13	39.82	34.34	32.59	47.30	40.43	37.65	32.98	32.11	62.55	50.60	54.60	49.50	39'10	31.35	65.45	39.0	39.75	26.35	29.45	32.64	1428.57
Percentage to total rateable value ...	0.9	1.1	1.4	1.9	3.5	4.0	3.4	3.5	2.7	2.8	2.4	2.3	3.3	2.8	2.6	2.3	2.2	4.4	3.5	3.8	3.5	2.7	2.2	4.6	2.7	2.8	1.8	2.1	22.8	100
Cumulative percentage	100	99.1	98.0	96.6	94.7	91.2	87.2	83.8	80.3	77.6	74.8	72.4	70'1	66'8	64.0	61.4	59.1	56.9	52.5	49.0	45.2	41.7	39.0	36.8	32.2	29.5	26.7	24.9	22.8	

Properties belonging to Government, Port Trust, Railways, Bombay Municipal Corporation as well as those for religious or charitable purposes are omitted.

Rateable Value (R.V.)—Fair and reasonable annual letting value (exclusive of tenants) tax as *last* 10 per cent thereof.

ELECTION AND TOWN DUTY.

Subject: *Administration Report for the year* 1947-48.

I was in charge of the Department during the year 1947-48.

2. The rates of Town Duties on the existing articles were revised and 9 new articles brought on Schedule 'H' by Bombay Act XX of 1947 and duties were accordngly levied from 1st June 1947.

3. The gross realizations on account of town duties, refunds in accordance with the provisions of Section 195 of the Municipal Act, and the net receipts are shown in Appendix 'A'. For the sake of comparison, the gross collections and refunds during the year and those in the preceding year are given below :—

	1946-47.	1947-48.
	Rs.	Rs.
Gross Collections	25 10 822	1 00 53 299
Refunds	7 46 324	7 31 700
Net Revenue ..	17 64 498	93 21 599

4. On account of revision of the Town Duty Schedule there was a considerable increase in the revenue from all the articles. Though the number of refund claims increased proportionately the actual refunds were less as a large number of Government claims amounting to over Rs. 15 lakhs were kept pending on account of certain discrepancies.

5. The total number of claims received during the year was 28,377 and the amount refunded was Rs. 7,31,700 against 6,117 claims and Rs. 7,46,324 refunded in the previous year.

6. During the year 5,50,224 packages of Sugar and Jagree, 2,64,904 cases of Tea, 60 983 packages of Tinned Provisions and 922 packages of other commodities were stamped with Municipal marks and 10,488 tins of Ghee and Ghee Substitutes were sealed against 1,85,535 and 8,964 packages of Sugar and Ghee respectively in the previous year.

7. The fees for stamping Sugar, Tea and Tinned Provisions packages and the sealing of Ghee Tins etc., amounted to Rs. 52,737 against Rs. 11,573 in the previous year.

8. The Town Duties collected by this Department on goods coming into the City along Mahim, Sion and Chembur Causeways amounted to Rs. 6,48,822 against Rs. 2,04,391 in the previous year.

9 During the year, appeals were filed in the Court of Small Causes by certain importers against the levy of Town Duty on loose Milk Cream imported in Tins, table butter packed in cartons and indigenous butter under the heading "Tinned Provisions". The Municipal Solicitors held that these articles did not fall within the scope of the Schedule. The appeals, therefore, had to be settled out of Court on their advice As a result, levy of town duty on Milk Cream, and table butter packed in cartons was discontinued with effect from 29th January 1948 and 29th March 1948 respectively and that on indigenous butter from 13th May 1948. In the case of the latter, it was also agreed to refund ⅓rd of the amount levied during the period from 30th March 1948 to 12th May 1948 both days inclusive.

10. In order to enable the Municipality to reimpose town duty on these articles, amendment to Schedule 'H' has been forwarded to Government for legislation deleting the word "Tinned" appearing in the heading "Tinned Provisions" in the Schedule and other consequential amendments.

Election Section.

In accordance with the provisions of Bombay Act No. I of 1946, the Municipal Election Roll on the basis of adult franchise prepared last year was revised from 1st February 1947 by the Department. Temporary staff was however appointed from 1st April 1947 and their work was supervised by permanent staff on deputation. About 200 Enumerators were doing this work in Ward Offices and an equal number was accommodated for indoor work at 'Kamani Chambers' which was rented for this purpose. An assistant to supervise Election work was not appointed this time as a retrenchment measure. The Department needs one such permanent post and proposals have been sent to include it in the next budget.

2. The Voters' List which contained about 9 lakhs of names of voters was published on due date *viz.*, 9th August 1947. With additions of few claims the final Election Roll was out on 20th December 1947 which mustered 9,09,757 names in all. The printing work was done in several local presses in addition to our own Press and the portion was allotted to them by T.A.O. (Printing) who had supervised this distribution since commencement. During the year under report there was no By-Election.

3. The Roll of Delegates of Registered Trade Unions as contemplated by Section 21A was also prepared and published on due date. The roll contained 306 names in all of delegates from 11 different Unions. This work has tremendously been increased owing to addition of several Trade Unions every year. Proposals were made in the past to do away with this Constituency but were not accepted in the legislature. This publication of roll will continue so long as provisions of Sections 11A, 14A and 21A hold good. Fresh proposals to repeal these Sections are being reconsidred.

4. The preliminaries for the General Elections commenced from September 1947. The programme of dates of elections was approved early as departmental arrangements depended upon these dates. The election dates were published in the Government Gazette on 22nd December 1947. The Ward elections were held on three different dates in three Groups for which 12 mandaps were erected at prominent places in the City The issue of Nomination papers commenced on 6th January 1948, and the pressure of work ontinued increasingly till 20th February 1948 on which date the Scrutiny and Counting of votes for all the 34 wards was held and results declared simultaneously on the same day. During this period the Department had tremendous pressure of work and practically the Town Duty indoor work had to be suspended to cope with. The overlapping periods of the elections of the three groups were materially affected by the National mourning of 13 days due to sad demise of Mahatma Gandhi. There being no provision under Section 27 to postpone the dates of election once declared Ordinance No. II of 1948 had to be promulgated by the Government of Bombay as a special measure to change the dates of Poll. The Section is being amended. In spite of these timely changes the revised programme of elections was a grand success and leading newspapers commented the elections as "the most orderly elections on the basis of adult franchise for the first time in the City". There were 270 valid nominations in all. Refund of Nomination Deposits of Rs. 200 each was refused to 51 persons and the amount was forfeited to the Corporation. The Election Mandaps 12 in number were common on all polling days and were guarded by Fire Brigade and the City Police from the commencement of erection. Entrances had turnstiles and were guarded by constables and exits watched by the Police staff. There were about 70 personation cases in all and all were convicted with fines raging from Rs. 50 to Rs. 75 each. After the results were declared 15 appeals were filed in the Small Causes Court by rival candidates. All these were either dismissed or withdrawn except one in which the candidate was unseated and replaced by the next one on the list. The work of printing Voting Papers was entrusted to the Times of India Press and was executed by them to our entire

satisfaction. Maps of 34 Wards were also made available for sale, prints of which were taken on Duopoto Machine purchased by the Corporation.

5. During the year the total expenditure for the preparation of the Electoral Roll was about Rs. 2,22,000, for printing the Voters' List, Election Roll etc., was about Rs. 2,27,000 and for holding the elections was about Rs. 5,40,000.

6. All records pertaining to the Poll was disposed of by burning on 30th July 1948 under Commissioner's orders. About 450 big size and 250 small size ballot boxes were used for voting purposes.

7. The work of amending the sections of the Municipal Act pertaining to elections is being taken up in consultation with Municipal Solicitors. From experience gained during the last General Elections certain amendments are considered quite essential for better execution of the work for the next General Elections that may be held in 1952.

APPENDIX 'A'.

Statement showing the Collections, Refunds and Net Revenue from Town Duties for the years 1946-47 and 1947-48

	Old Rate.	New Rate. (From 1-6-1947)	Collections				Refunds				Net Revenue			
			1946-47	1947-48	Increase in 1947-48	Decrease in 1947-48	1946-47	1947-48	Increase in 1947-48	Decrease in 1947-48	1946-47	1947-48	Increase in 1947-48	Decrease in 1947-48
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs
Grain ...	At 8 pies per maund	At 2 annas per maund ...	10,38,689	33,71,601	23,32,912	...	5,31,487	3,57,164	...	1,74,323	4,96,196	32,32,530	27,36,334	...
Flour ...	At 6 pies per maund	At 1½ annas per maund ...	13,188	2,23,469	2,10,281	...	24,194	5,376	...	18,818				
Sugar ...	At 8 annas per Cwt.	At 12 annas per Cwt. ...	6,95,215	11,96,890	5,01,675	...	1,82,703	1,70,052	...	12,651	5,12,512	10,26,838	5,14,326	...
Wines and Spirits	At 4 annas per Imperial Gallons	At Re. 1 per Imperial Gallon	1,87,792	3,27,149	1,39,357	...	3,319	3,801	482	...	1,84,473	3,23,348	1,38,875	...
Beer ...	At 6 pies per Imperial Gallon	At 2 annas per Imperial Gallon	10,708	49,759	39,051	...	33	2,046	2,013	...	10,675	47,713	37,038	...
Ghee and Ghee Substitutes ...	At 10 annas per Qr.	At Re. 1 per Qr.	1,58,728	4,67,513	3,08,785	...	4,588	3,061	...	1,527	1,54,140	4,64,452	3,10,312	...
Timber	At 2½ per cent (on the Market Value)	At 3 per cent. (on the Market Value)	3,70,209	5,40,269	1,70,060	...	...	6,539	6,539	...	3,70,209	5,33,730	1,63,521	...
Plywood ...			37,931	60,360	22,429	...	...	...	...	...	37,931	60,360	22,429	...
Firewood ...	At 6 annas per ton	At annas 9 per ton	...	1,87,581	1,87,581	...	...	...	...	...	...	1,87,581	1,87,581	...
Charcoal ...		At Re. 1 per ton	...	4,35,466	4,35,466	...	...	45,960	45,960	...	...	3,89,506	3,89,506	...
Tea ...		At 6 pies per lb.	...	53,750	53,750	...	...	...	...	...	...	53,750	53,750	...
Coal ...		At annas 7 per ton	...	1,97,419	1,97,419	...	...	45,297	45,297	...	...	1,52,122	1,52,122	...
Dates dry ...		At 12 annas per Cwt	...	3,05,817	3,05,817	...	...	71,358	71,358	...	...	2,34,459	2,34,459	...
Dates wet ...		At 8 annas per Cwt.	...	72,113	72,113	...	...	...	...	...	...	72,113	72,113	...
Cement ...		At Re. 1 per ton	...	2,46,963	2,46,963	...	...	...	...	...	...	2,46,963	2,46,963	...
Iron and Steel ...		At Rs. 2½ per ton	...	85,104	85,104	...	...	...	...	...	...	85,104	85,104	...
News Print		At annas 5 per Cwt.	...	66,121	66,121	...	...	...	...	...	...	66,121	66,121	...
Cards, etc.	Paper	At Re. 1 per Cwt.	...	3,824	3,824	...	...	...	...	...	...	3824	3,824	...
Strawboards		At annas 3 per Cwt.	...	10,59,939	10,59,939	...	...	21,046	21,046	...	...	10,38,893	10,38,893	...
Tinned provisions (Commodities not accounted for		At 6¼ per cent Advalorem	...	11,02,918	11,02,918	...	...	...	...	...	...	11,02,918	11,02,918	...
Miscellaneous ...			—1,638	—726	912	...	...	...	...	...	—1,638	—726	912	...
		Rs.	25,10,822	10,53,299	75,42,477	...	7,46,324	7,31,700	1,92,695	2,07,319	17,64,498	93,21,599	75,57,101	...

K. R. KELKAR,
Election and Town Duty Officer.

CITY ENGINEER'S DEPARTMENT.

I.—ARCHITECTURAL BRANCH.

REPAIRS SECTION.

Upkeep and Maintenance of Municipal and Ex-Trust Buildings.

1. The total number of Municipal and Ex-Trust properties maintained during the year was 2,941 against 2,596 maintained in the previous year. This large increase is due to taking over by the Municipality of 3 hospitals *viz.*, Indian Military Hospital at Dharavi, R.P.T.B. Hospital at Sewri and Nair Hospital and Topiwala National Medical College at Lamington Road and of a number of military hutments at Sion-Kolwada and Sewri, in addition to the increase due as usual to construction of a few new structures and also to a further scrutiny thereof. The Upkeep and maintenance of these buildings were carried out partly by contract and partly through departmental agency. For this purpose the City has been divided into two Divisions No. I comprising A, B, C, D and E/East Wards and No. II comprising E/West, F and G Wards including Bandra Slaughter Houses.

Budget Provision and Expenditure.

2. The total Budget grant, for carrying out works under the control of this Branch, was Rs. 29,32,035 as per details given below:—

	Provision.	Expenditure.
	Rs.	Rs.
Revenue Budget 'A'	8,05,554	2,87,040
Revenue Budget 'B'	12,58,404	5,51,859
Loan Works Budget 'A' and 'B'	8,68,077	1,69,667
Total ..	29,32,035	10,08,566

The total expenditure against this Budget Grant amounted to Rs. 10,08,566 which works out to 34.32 per cent., of the total Budget grant.

3. Messrs. New Trio Builders were the contractors during the year under report for carrying out repairs and petty works to the properties in both the Divisions Nos. I and II at 9½ per cent., above the schedule rates. Against the work orders amounting to Rs. 1,33,446 entrusted to them, works amounting to Rs. 70,000 were carried out by them out of which expenditure to the extent of Rs. 40,000 has been booked.

Monsoon repairs and Lime washing works.

4. Out of the total expenditure of Rs. 8,38,899 from revenue the works done departmentally by this Branch amounted to Rs. 7,98,862. These departmental works include New Works, Special Repairs Works as also works of monsoon repairs and lime washing to various Municipal properties.

New Works.

5. New Works estimated at Rs. 2,55,767 were taken in hand during the year as shown in the Appendix 'A' and are still in progress. Expenditure booked upto-date is R. 78,098-6-9.

Special Repairs Works.

6. Special Repairs Works estimated at Rs. 1,87,411 were taken in hand during the year as shown in Appendix 'B' and are still in progress. The Expenditure booked upto-date is Rs. 89,187-5-0.

Other Miscellaneous Works.

7. Besides the above quoted works, works of about Rs. 1,78,543 entrusted to this Branch were carried out departmentally as per requisitions from other departments from the grants under their control.

CONSTRUCTION SECTION.

Loan Works.

8. Loan Works amounting to Rs. 8,68,077 were proposed to be carried out during the year through the contractors as well as departmental agency as shown in Appendix 'C'. The expenditure booked during the year amounted to Rs. 1,69,667.

Works amounting to Rs. 2,49,895 under Post War Reconstruction Fund were also taken in hand by the Construction Section in addition to Loan Works. Besides works amounting to Rs. 8,41,023 for constructing 150 tenements at Wadala and 100 tenements at Fergusson Road for housing the explosion victims, etc., have also been taken in hand.

DESIGN AND DRAWING SECTION.

Plans and Estimates.

9. 22 sketch plans and 178 registered plans and 106 major estimates amounting to Rs. 1,72,17,934 for different works were prepared by the Design and Drawing Section during the year. 86 samples of cement were also tested during the year.

10. 2,093 estimates for works including New Works, Special Repairs Works, etc., were prepared by the Repairs Section during the year and were forwarded to the Departments concerned. The estimated cost amounted to Rs. 34,28,251.

General Remarks.

11. Though provision was made in the Budget for a sufficient number of urgent works, the progress of the works undertaken was slow owing to extreme scarcity of materials and the lack of transport facilities owing to heavy cuts in petrol ration.

II.—PRIVATE BUILDING CONSTRUCTION.

(Including set-backs).

Applications for erection of new buildings.

12. The following table shows the number of applications for the erection of new buildings and for alterations and additions to the existing buildings received respectively under Sections 337 and 342 of the Municipal Act during the last five years.

Year.	Under Section 337.	Under Section 342..	Total number of buildings dealt with.	Total number of applications.
1943-44 ..	500	507	1,007	1,581
1944-45 ..	893	807	1,700	2,373
1945-46 ..	911	951	1,862	2,938
1946-47 ..	1,236	1,057	2,293	4,245
1947-48 ..	1,300	1,059	2,359	4,305

Note.—Two or more modified proposals are generally received in connection with one and the same building, hence the difference between the figures in the last two columns in the above table.

SET BACKS.

13. The following is the comparative statement of amounts spent for acquisition of set-backs in the City during the last five years.

Year.	Amount paid as set-back compensation.
	Rs. as. ps.
1943-44	.. 3,16,529 15 0
1944-45	.. 1,59,420 13 9
1945-46	.. 1,60,868 3 8
1946-47	.. 2,94,772 9 3
1947-48	.. 3,21,768 0 2

The area added to roads during the year was 5,479 square yards and the cost thereof amounted to Rs. 20,020-9-0.

The liabilities outstanding in respect of acquisition of set-backs amounted to Rs. 17,48,923-12-9. This includes cases in which lands have been acquired but have been leased to house-owners concerned on certain terms and conditions as the adjoining set-backs have not been acquired. The compensation in such cases amounts approximately to Rs. 41,555-11-2.

During the year under report liability to the extent of Rs. 23,600 was cancelled in respect of cases in which claims were barred by limitations and other cases in which acquisition of set-backs was not given effect to due either to plans getting time-barred or parties not agreeing to part with-set-back land for compensation offered.

Regular lines of streets and layout of new roads.

14. A list of regular lines of streets prescribed or proposed to be prescribed or revised and lay-out of new roads to suit the requirements of modern traffic, is given in Appendix D.

Enforcement of Building Regulations.

15. Prosecutions were launched against house-owners for non-compliance with requisitions under various sections of the Municipal Act and the result of proceedings is given in Appendix E.

Removal of unsafe structures.

16. In all 1,314 notices were issued under Section 354 of the Municipal Act for the removal of unsafe structures. Out of these 623 were complied with and the remaining 691 were pending at the close of the year.

Out of 844 notices pending at the end of the last year 774 were complied with and 70 notices still remained pending at the close of the year.

Building Collapses.

17. The total number of buildings or portions thereof collapsed during the year under report was 44.

In 18 cases 37 persons were injured and 4 were killed. In the remaining 26 cases there were no casualties.

Removal of huts or walls of inflammable materials.

18. Action for the summary removal of huts or walls made of inflammable materials was taken under Section 349 of the Municipal Act in 91 cases. Out of these 83 were complied with and the remaining 8 were pending at the close of the year. Out of 42 cases which were pending at the close of the last year 40 cases were complied with during the year under report and 2 cases remained pending at the close of the year.

Sanction of the Standing Committee for removal of unauthorised works.

19. Sanction of the Standing Committee was obtained in one case for the removal of unauthorised work and the work was removed by the party. In one case in which action was in progress at the close of the last year the work was removed departmentally during the year under report.

Removal of unauthorised projections.

20. In all 1,342 notices under Section 308 of the Municipal Act were issued for the removal of unauthorised projections. Out of these 1,041 were complied with and the remaining 301 were pending at the close of the year. Out of 246 cases which were pending at the close of the preceding year 230 were complied with and the remaining 16 cases were pending at the close of the year.

21. The following statement shows income derived from and expenditure incurred on account of temporary projections such as stall-boards and weather frame projections, etc., during the course of the last three years.

Year.	Staff.		Income.	Expenditure.	Net Income.
	Sub-Overseers.	Clerks.			
			Rs. as. p.	Rs. a. p.	Rs. a. p.
1945-46 ..	18	4	1,27,482 13 0	33,039 9 0	94,443 4 0
1946-47 ..	18	4	1,02,713 3 0	34,478 0 0	68,235 3 0
1947-48 ..	18	4	1,40,035 15 0	63,488 1 0	74,547 14 0

22. During the year under report as per the policy laid down by Corporation regarding eliminating stall-boards projections in the City, action has been taken against the shop-keepers for the removal of the stall-boards on Kalbadevi Road this year.

In all 6,160 notices were issued under different Sections of the Municipal Act.

23. During the year under report 1,069 buildings were inspected by the ward staff with a view to registering newly constructed tenements in the City.

New Tenements.

The following statement shows the number of tenements newly constructed during the year under report

Ward.	Number of one-room tenements.	Number of two-room tenements.	Number of larger tenements usually known as blocks.
A	98	14	40
B	..	..	..
C	10	3	..
D	55	28	17
E	2	1	3
F	72	92	216
G	19	15	11
Tenements constructed during the year 1947-48 ..	256	153	287
Tenements constructed during the previous year ..	164	42	74

24. The following statement shows the number of tenements demolished during the year.

Ward.	Number of one-room tenements.	Number of two-room tenements.	Number of larger tenements usually known as blocks.
A	177	..	..
B	37	13	..
C	11	8	12
D	15	..	5
E	54	1	..
F	..	..	..
G	55	6	10
Total ..	349	28	27

SUBVENTION SCHEME.

25. The question of reviving the scheme for compulsory conversion of basket privies into water-closets on full flushing system in F and G Wards which was suspended on account of war conditions had to be taken up, as about 200 privy seats in Mahim area served by Night Soil Depot at Mahim require to be converted into water-closets immediately as the Government of Bombay insist upon the removal of the Night Soil Depot before September 1948.

26. As however the conditions regarding the availability and prices of building materials and sanitary and drainage fittings have not yet eased, proposals for substantial increase in the rate of subsidy (existing rate being Rs. 60 per privy) are being submitted.

CEMENT AUTHORISATION TO PRIVATE HOUSE OWNERS.

27. The issue of authorisation certificates for cement by the Special Engineer to private house-owners for obtaining cement for urgent and essential repair works to their buildings was continued during the year under report. In all 10,467 applications for cement were received and authorizations aggregating to 3,724 tons were issued after scrutiny of the applications by inspection of works on site.

Cement Certificates.

GENERAL.

28. During the year under report the work of valuation of lands and buildings of the B.E.S. & T. Co., Ltd., was entrusted to the Assistant Engineer 1st Grade Buildings, Mr. G. P. Dandekar, who completed it with the assistance of the Engineering and the Clerical Staff of the Building Branch.

III.—MECHANICAL BRANCH.

Municipal Workshops.

29. The total expenditure on departmental and private works carried out in the Municipal Workshops during the year 1947-48 amounted to Rs. 2,96,640 as against Rs. 2,25,720 in the previous year.

30. The expenditure on the upkeep and overhead charges of the workshops amounted to Rs. 1,47,195 which works out to 49.6 per cent on the expenditure incurred on labour and stores used in the execution of works during the year under report as against 48.6 per cent., for the preceding year.

DADAR PURIFICATION WORKS.

31. The Sewage Purification Works at Dadar comprising the Simplex Activated Sludge Plant and an Enclosed Pruss Filter worked satisfactorily throughout the year. The plant has now been in service for nearly 12 years. Certain machinery and especially the steel parts thereof, being heavily corroded, are in need of replacement. It was not possible to replace them during the war years and immeidately thereafter due to the non-availability and heavy cost of the equipment and spare parts. Replacements cannot be postponed for an indefinite period They must be done as early as possible to maintain the high efficiency of the plant. A start has therefore been made in this direction by making a token provision in the budget estimates for 1948-49 for replacing the silt removal grab which has finished its useful life. It is proposed to renew the whole of the machinery and the equipment in need of renewal and to carry out repairs to the civil works and the remaining machinery by spreading the work of renewals over a period of 3 to 4 years.

32. The total volume of sewage reaching the plant as recorded during the year—1st March 1947 to 28th February 1948 amounted to 3,361.76 million gallons, *i.e.*, an average of 9.21 million gallons per day.

Digestion Tank.

33. As mentioned in the previous Annual Report (1946-47), the repairs to the roof of the Digestion tank were completed by Messrs. Duncan Stratton & Company, Ltd., by February 1947 and the tank was immediately started and it became matured by the middle of March 1947. when the gas service to the K.E.M. Hospital and the quarters attached thereto was started after a stoppage of nearly 12 months. It was, however, soon found that the joints in the roof were not gas-tight and a large quantity of gas was escaping. Steps had therefore been taken to close the tank again for repairs and to use the town gas at the K.E.M. Hospital and the quarters attached thereto. The reasons for the leakage through the joints can be attributed to the bad quality of the jointing compound. The same compound was used in making the joints of the original roof. But it appears that the quality of this compound had deteriorated during the war period. A number of compounds were tried and ultimately one rubber compound was found to be fairly satisfactory in stopping the leaks. With the use of this compound, the joints were made gas-tight and sludge gas service to the K.E.M. and Turner Sanatorium hospitals was again started on 27th February 1948. The revenue obtained by the sale of this gas from 26th March 1947 to the end of the official year amounted to Rs. 3,274-11-6 only for a total consumption of 800,300 cubic feet at the rate of Rs. 3 per 1,000 C. ft.

34. The work of constructing the second digestion tank including a gas-holder, two consolidation tanks and the pump house, entrusted to Messrs. Duncan Stratton & Company, Ltd., and started by them in January 1947, progressed satisfactorily during the year under report. The Company has completed all the civil engineering works and are awaiting the arrival of the macinery and the steel roof for the digestion tank from England, which is expected to arrive in this country in July 1948. If the machinery and the roof arrive in this country in July as expected, it should be possible to bring the digestion tank into use before the end of the next financial year.

Extension Works.

35. As pointed out in the last year's report, the plant is badly in need of extensions. Its present capacity is only 5 million gallons per day against the flow of 9.21 million gallons per day. Detailed plans and estimates were therefore prepared for giving both primary and secondary treatment to 9 million gallons per day of sewage, fixing the ultimate capacity of the plant at 14 million gallons per day This capacity will be reached as soon as the sewage from the Poibavdi Pumping Station is discharged into the sump of the Matunga Pumping Station through the gravitation sewer in Vincent Road. Corporation having sanctioned the estimates, tenders for the work were invited and the quotation of Messrs. The Hindustan Construction Company, Ltd., amounting to Rs. 16,13,815 (with whom are associated the firm of the Dorr Company (Inc.), of U.S.A.—a leading firm in the line of Sewage Purification) was accpeted. The firm started work on the extension in February 1948, The extension works comprise of:—

(1) A shallow detritus tank equipped with grit washing machinery:
(2) Two circular preliminary settling tanks each of 110 feet diameter with suitable scraping mechanism:
(3) One pump house:
(4) Two consolidation tanks:
(5) Two enclosed 12' deep filters:
(6) Two Humus tanks: and
(7) One step down transformer to meet power requirements.

Utilisation of sludge gas for lorry running.

36. No further progress in regard to the running of lorries on sludge gas could be made during the year under report for want of suitable lorries for fixing gas cylinders thereon. The G.M.C. lorries purchased for the transport of refuse during the year, were found to be unsuitable for this purpose while the Leylond lorries though adaptable for being fitted with gas cylinders could not be used, as most of them have finished their useful life. Another difficulty has also arisen. The Explosives Inspector of the Government of India has stipulated that the high pressure cylinders fixed on the lorries must be periodically tested and unless this is done, no lorry on sludge gas will be permitted to be run. In order to meet the requirements of the Exlosives Inspector, it is necessary to purchase a suitable testing apparatus for this purpose and an order for the same has been placed. No lorry can therefore be run until the testing apparatus is received and the cylinders are tested.

Additional compressor.

37. Provision for installing an additional compressor as a stand-by plant has been made in the estimates sanctioned for the extension of the D.P. Works but no order for the same has been placed because it is not advisable to do so until new lorries for fitting up the cylindersare available and the testing appratus is received. Besides with the functioning of the two digestion tanks, it may be possible to run about 20 to 30 lorries on sludge gas after supplying the requisite quantity of gas to the various

groups of municipal hospitals. Due to this, it may be necessary to go in for a Compressor of a higher capacity than that included in the sanctioned estimate.

Sludge gas engines for generating electricity.

38. Two sludge gas engines for generating electricity were brought into use from March 1948 Experience gained by their working will be very useful in deciding upon the most economical use of the sludge gas that would be available at Lovegrove in about 3 to 4 years' time when the scheme of giving primary treatment to the sewage reaching this station is put into execution.

Pruss Filter.

39. The existing Filter has been running continuously for the past seven years and giving satisfactory performance with very little attention. It is now due for over-hauling but this could not be done so far as no standby unit was available. When the two additional filters, now under construction, are brought into use, it should be possible to close down the old filter for thorough over--hauling. The advantages of this type of filter have been fully discussed in the Administration Report for 1944-45 and in view of its very satisfactory performance, two units thereof were included in the extension scheme.

General.

40. A review of the working of this Plant will not be out of place because it has now been functioning for a period of nearly 12 years. It was started on 13th of October 1935 as a "Pilot Plant". It has been altered and extended from time to time to meet the changing conditions both as regards the character and the quantity of sewage to be treated. It has passed through many phases. In the beginning, a number of complaints regarding 'smell' were received from the residents of the locality but they were overcome by improving the technique of operation. This technique has now reached such a high standard that no complaints regarding 'smell' were received from the residents of the locality in the course of the last seven years in spite of the fact that nearly half the quantity of sewage arriving at the plant had to be discharged into the open storm water drain after giving it only partial treatment. As pointed out before, with the extensions now in hand, the plant will deal ultimately with a flow of 14 million gallons per day. Any excess of sewage over this quantity will be diverted to the Dharavi plant, the work on which is expected to be started during the next financial year. Out of the 14 million gallons per day expected to arrive at this plant, 9 million gallons per day will be given both primary and secondary treatment while the remaining 5 million gallons per day will be given only primary treatment because it is expected that the mixture of the fully and partially treated effluents will be fit for being let into the sea *via* the open S.W. drain where it will receive further treatment by 'dilution' from the sea water. If, however, it is found that the remaining 5 million gallons day or a part thereof requires secondary treatment, treatment works for the same will be provided for which adequate room has been left in the layout of the plant. It is my intention to prepare a brochure giving full account of this plant when the extensions now under construction are completed, for the benefit of those engaged in the design and maintenance of Sewage Disposal Works.

Sewage Works laboratory.

41. The Sewage Works laboratory examined more than 3,000 samples during the year. Appendix "F" gives five years' tabulation of salient features.

42. The total expenditure on power, stores, establishment, laboratory for purification plant, digestion tank sewage pumping station, amounted to Rs. 1,62,137 during the year under report.

PUMPING STATIONS.

Lovegrove Pumping Station.

43. The pumping station worked satisfactorily throughout the year. The average quantity of sewage pumped during dry weather months amounted to about 53.12 million gallons per day whilst during the monsoon it amounted to 55.57. million gallons per day. The total expenditure for the year under report on the maintenance of this station was Rs. 1,71,787 against Rs. 1,57,864 incurred during the previous year. Due to increase in the cost of maintenance, the rate per million gallons of sewage pumped has increased to about Rs. 8,72 against that of Rs. 6.66 for the previous year. The increase in the maintenance charges during the year under report was firstly due to the 3 condensers out of 5—which are responsible for the improvement of the power factor—got out of order in the month of July, and due to this the benefit in rate for better power factor could not be secured from the Electric Supply Company. Secondly, it is due to the rise in the maximum demand for several months during the year, owing to the necessity of working the 500 H.P. motor driven Worthington Pumps for longer periods than hitherto due to the existing 4 main pumps having to be frequently closed down for thorough overhauling and repairs

The 3 condensers which had to be put out of use have outlived their life. An order for replacing them by new ones has already been placed and it is expected that the new condensers would arrive in this country by the end of the next financial year.

Height of sewage in the detritus chamber.

44. The average height of sewage in the detritus chamber was maintained at 71.80 T.H.D. The detritus removed was only 40 87 tons as against 8901 tons during the preceding year. This decrease in the quantity of silt removed was not due to the reduction in the quantity of silt entering the sewers through the house connections but was mainly due to the constant break-down of the pumping plant referred to above.

45. There is another reason why a large quantity of silt is not being arrested in detritus tank. This tank which was constructed in the year 1914-15, is found to be inadequate to cope with the quantity of sewage passing through it at present, due to the increase in the rate of water supply which before the outbreak of World. War No. II was about 70 gallons per head per day. The increased quantity of sewage passes through the detritus tank with a very high velocity and consequently a major part of the silt flows with the sewage into the sump of the pumps and is not arrested and collected at the bottom of the detritus tank. It is proposed to replace this tank by a new one of the modern design and provision for the same will be made in the scheme of subjecting the sewage to preliminary treatment prior to its discharge into the Sea, to reduce the organic load on the diluting waters.

46. The four pumps, comprising two Sulzer pumps each of 40 million gallons per day capacity and 2 Vickers Gill Pumps each of 20 million gallon per day capacity are found to be of inadequate capacity to cope with the peak-load flows because all of them cannot be put into commission during peak-load hours as the transformer capacity provided at this station is limited. Even when the transformer capacity is improved, these pumps will be found to be inadequate to cope with the sewage that would be arriving at this station after the scheme.

of augmenting the City's water supply is completed. Additional pumping capacity has, therefore, to be provided at this station. Corporation's sanction has, therefore, been obtained to construct a new pumping station to deal ultimately with peak-load flow of about 200 million gallons per day. In the beginning, only 2 pumps each capable of dealing with a flow of about 56 million gallons per day will be installed and two additional pumps to increase the capacity to 200 million gallons per day would be provided later on. It is expected that the work on this new station will be started by the beginning of the next financial year. This pumping station will form part of the scheme of giving primary treatment to the sewage before discharge into the sea.

47. Steps are also being taken to increase the transformer capacity of this station to enable all the pumps being put into commission at the same time instead of two pumps as at present, to cope with the peak-load flows. Accordingly, an order for two additional transformers each of 600 K.V.A. has been placed with the English Electirc Company. These transofmers are exepcted to arrive in this country during the next financial year. The whole position as regards the transformer capacity is being reviewed as with the construction of the additional pumping station and the augmentation of the City's water supply, the transofmrer capacity may have to be correspondingly increased.

48. No damage was found to have been caused to the Love Grove outfall during the year under report.

Remodelling of the sewerage scheme.

49. Considerable progress has been made in the preparation of the detailed plans and estimates for the preliminary treatment of sewage. It is expected that the scheme will be submitted to the Corporation for sanction in the latter half of the current financial year. It is proposed to make a start on this scheme in the early part of the next financial year. The staff employed on the preparation of the scheme worked on the scheme of remodelling the existing sewerage system for the whole city to make it capable for dealing with an additional supply of water that will be brought into the City after the execution of the Vaitarna-*cum*-Tansa Scheme. The detailed scheme for remodelling the sewarage system is being submitted to the Corporation for sanction. The proposals made in this behalf include the construction of a large number of relief sewers to remove surcharging from the existing sewers and to provide additional capacity to deal with the extra quantity of water likely to find its way into the sewers after the completion of the Vaitarna-*cum*-Tansa Scheme.

Matunga Pumping Station.

50. This station worked satisfactorily during the year. The quantity of sewage pumped amounted to 2118 million gallons. The total expenditure incurred on its maintenance amounted to Rs. 44,347 and the saving in the current due to the installation of the transformers and static condensers amounted to Rs. 3,857. As the existing pumping sets consisting of three pumps, two pumps each of 6 million gallons per day capacity and one of 3 million gallon per day capacity are found to be inadequate to cope with the peak and average flows reaching this station, the work of extending the existing sump has been entrusted to Messrs. D.K. Matiwala & Co., to accommodate two additional pumps, one of 6 million gallons per day and the other of 3 million gallons per day capacity. Tenders for the pumps were invited and received on 16th January 1948 and they were unde consideration at the close of the financial year. When the two additional pumps are installed, this pumping station will be able to cope with the peak-load and average flows likely to be received even after the city's water supply is increased by the executon of the Vaitarna-*cum*-Tansa Scheme.

51. Additional transformer capacity will have to be provided to include a large number of pumps to work simultaneously during the peak-load flows. Provision for the same having been made in the sanction estimates. Tenders for transformers, condensers and switch gears have also been invited and were due on 9th April 1948.

52. The pumps at the following places continued to be in operation. Thea pproximate quantity of sewage pumped and the expenditure incurred during the year were as under :—

Name of the Pumping Station.	Approximate quantity sewage pumped in gallons.	Expenditure during the Year.
		Rs.
Poibaodi ..	108,576,000	7,448
Arthur Road ..	Closed	..
Sewri ..	242,194,800	8,720
Tank Bunder ..	171,270,000	8,990
Mahim ..	1399,348,500	23,041
D. D. Chewls, Sewri ..	81,844,800	8,563
Wadala ..	879,505,000	8,294
Sion ..	275,175,000	4,864
Dharavi ..	205,599,600	5,747

Mahim pumping Station.

53. The existing pumping capacity of Mahim pumping station is found to be inadequate to cope with the peak-load flows due to tremendous increase in the population in the areas served by the station. An order for the two poumping sets each of 1900 gallon per minute capacity has been placed with Messrs. Turner Hoare & Co., and the pumps are likely to be installed by the end of the next financial year. These two new pumps will replace two of the existing four pumps having a capacity of 900 G.P.M. each.

Jacob Circle Pumping Station.

54. The pumping station at Jacob Circle worked satisfactiroily throughout the year, the average quantity of swewage pumped being 3121 million gallons per day and the expenditure booked during the year amounted to Rs. 32,575.

Dadar Pumping Station.

55. The eixsting pumps owing to the inherent constructional defects gave considerable amount of trouble. It is proposed to remodel this pumping station and to scrap the existing pumps and replace them by four new pumps each of 4 million gallons per day capacity. Tenders for the erection of the new pumps have been invited. When the four new pumps start functioning, this pumping station will be placed on a satisfactory footing.

COMPRESSOR STATIONS.

56. The electrically driven air compressor stations at Victoria Gardens, Fergusson Road and Colaba, worked satisfactorily during the year under report. The total electric units consumed at these stations, together with the cost of current, were as follows :—

Victoria Gardens and Fergusson Road.

Name of Station.	No. of units consumed.	Cost.	Average cost per unit.
		Rs.	
Colaba	762,274	20,292	.426 Anna.
Victoria Gardens	1,262,550	34,859	.442 Anna.
Fergusson Road	750,460	19,904	.424 Anna.

57. Due to the satisfactory working of the condensers at these three compressor stations, a saving to the extent of Rs. 13,525 accrued in the electrical bills during the current year.

58. The total number of units consumed by the two stations (compressor and auxiliary pumping station) was 627,220 and the bill for the electric supply amounted to Rs. 23,909 giving an average rate of .625 anna per unit. As the existing compressors are found to be inadequate to cope with the supply of compressed air that is required for working the ejectors served by this station, an order for one noiseless slow speed compressor has been placed with Messrs. Swiss Locomotive & Machine Works which is expected to be brought into use by the end of the next financial year.

Warden Road compressor and auxiliary pumping station.

59. The auxiliary pumping stations at Warden Road continued to work fairly satisfactorily. The two additional pumps each of 500 gallons per minute capacity, ordered in the previous year have not yet been received. It is possible that one of the pumps may arrive in this country in September next. No information is available as to when the other pump would be shipped. Until the two new pumps are installed, the working of this station will not improve. A scheme for laying a gravitation sewer in this locality to do away with this pumping station has been sanctioned by the Corporation and it is proposed to continue work on the same during the next financial year.

EJECTOR STATIONS.

60. 21 Ejector Stations serving the southern, central and northern areas of the City continued to operate for lifting sewage from the low-lying areas with the help of compressed air. There were formerly 23 Ejector Stations, out of which one at Arhur Road and the other at Tank Bunder were closed down when the electrically-operated pumping stations at Jacob Circle and at Tank Bunder were put into commission.

61. Most of the ejectors have served their useful life ; the oldest stations were installed in the year 1880 and the recent ones in the year 1937. Further, most of the old stations are found to be inadequate to cope with the peak-load flows reaching them, due to the successive increase in the rate of water supply per capita since their installation and also due to the steady increase in the population of the areas served by them. Due to this handicap, the sewers draining to the ejector stations remain surcharged for a considerable period of the day and great difficulty is experienced in maintaining the sewers as well as the old ejector stations in a satisfactory working condition. A programme has, therefore, been prepared to replace some of the old ejector stations by electrically driven pumping stations wherever possible and where it is not feasible to do so, it is proposed to replace the existing vessels of the ejector stations by new ones of larger capacity. Some particulars of this programme are as follows :—

The ejector stations at DeLisle Road (year of installation 1926) and at Fergusson Road (year of installation 1902) will be closed down, as soon as the new pumping station now under construction at Tulsi Pipe Line Road is completed and brought into use probably in the course of the next 18 months.

62. The ejector station (installed in 1902) at Church Street will be replaced by a pumping station, the work on which will be started shortly.

63. The ejector stations at Nepean Sea Road (1912) Setalwad Road (1935) and Warden Road (1912) will be closed down, when the Scheme of remodelling the sewerage facilities in the Nepean Sea Road and Warden Road areas sanctioned by the Corporation under their Resolution No. 588, dated the 11th August 1947 matures.

It is proposed to make a start on this Scheme for next year.

64. The ejector station at Globe Mill Passage will be replaced by a new pumping station in due course. This proposal has been included in the remodelling of the sewerage system serving the central areas of the City.

65. Proposals are also under consideration to replace the Chinchpokli Ejector (year of instalation 1902) by a new pumping station to be located closeby Negotiations for the acquisition of land required for the construction of the pumping station are in progress.

66. The ejector stations at Afgan Church (1880) and at Roberts Road (1880) will be replaced by a new common pumping station. This work will form part of the Scheme of improving the sewerage system serving the Colaba area.

67. Two ejector vessels at the Fergusson Road Ejector Stations were repaired by the guniting process and put into commission as an experimental measure as new vessels were not available.

68. The method of treating the vessels by guniting having found to be satisfactory, the two old vessels of the Chinchpokli Ejector Station which are at present giving constant trouble will be similarly treated.

69. The total expenditure incurred on the maintenance of compressors and ejectors amounted to Rs. 1,59,039 as against Rs. 1,37,207 during the preceding year.

FLOOD GATES.

70. The automatic flood gates at Love Grove were thrown out of gear, as their flaps had corroded on account of sewage action. The work of replacement of flaps by suitable non-corrosive metal had to be delayed as such metal is not readily available at reasonable price at present. Old flood gates, which were reinstated as stand by are now worked to serve the purpose.

71. The old flood gates at Cleveland Bunder have finished their useful life. It is, therefore, proposed to renew them by stages by providing funds in succeeding budgets.

72. The cost of maintaining the flood-gates during the year amounted to Rs. 5,259.

INSPECTION OF FACTORIES, WORKSHOPS AND WORK PLACES.

73. 382 new proposals for permits and 33 for licenses were received and disposed of after inspection and 9 nuisance cases were attended to and necessary steps taken. Information with regard to this has been given Ward by Ward, *Vide* Appendix 'G'.

MOTOR TRACTION.

Expenditure on Supervision.

74. The expenditure under D. Transport, I.—Inspection and supervision amounted to Rs. 26,630 during the year under report.

Maintenance of Vehicles.

75. There were 139 vehicles in commission and the expenditure incurred on their running during the year is given in the sub-joined statement:—

No. of vehicles.	Description of cars and lorries.	Expenditure.
		Rs.
7	Inspection ..	24,763
5	Hearses ..	10,458
5	Ambulances ..	21,622
80	Refuse	6,18,382
8	Silt ..	27,856
4	Halalkhore ..	29,044
10	Encroachment ..	9,750
4	Offal ..	20,574
15	Meat ..	1,12,134
1	For stall boards ..	Nil

76. The vehicles are supplied with petrol, oil and grease during day time only. Due to war condition, the prices of petrol, tyres and spare parts had gone up considerably and it was very difficult to obtain spare parts or our old vehicles with the result that the repair work was delayed and the cost of running and maintenance ncrease d.

77. Out of 25 Fordson Thames vehicles purchased during the previous year, for the removal of refuse, 9 Nos. were sold to Surat Municipality. These vehicles as also the G.M.C. trucks are not found suitable for our municipal work but they were purchased as no sutiable vehicles were then obtainable.

78. After the purchase of these vehicles, house to house collection of refuse has been introduced in F and G Wards as an experimental measure and if found to work well, this system will be extended to the whole city.

79. The work of repairing partly damaged Dodge trucks during the disturbances of 22nd February 1946, which had been entrusted to Messrs. Bombay Cycle and Motor Agency, Ltd., was completed and the trucks have been put into commission and used for the transport of beef from Bandra Slaughter House.

80. During the year, 3 Chevrolet cars (one for H.W. the Mayor, one for S.E. and one for S.S.) and one Dodge for M. C. were purchased from Messrs. The Bombay Garage and Messrs. Bombay Cycle and Motor Agency, Ltd., respectively. Besides these, one hearse, one Dead body ambulance, one ambulance and 2 H.D. School Buses of Chevrolet make were purchased from Messrs. Bombay Garage and 7 Encroachment lorries of Dodge make were purchased from Messrs. Bombay Cycle & Motor Agency, Ltd. One motor vehicle of Dodge make was purchased from Messrs. Allen Berry & Co., Ltd., for the removal of stall boards.

81. Two station wagons and 8 chassis of Chevrolet make were purchased in connection with the Scheme for the supply of free milk to under-nourished school children. The work of building bodies over the eight chassis is in progress.

82. While the fleet of municipal vehicles was thus augmented by the above additions, 3 inspection cars were sold and 1 ambulance, 5 refuse lorries and 1 trailer were scrapped during the year.

Refrigerator Plant at the Arthur Crawford Market.

83. This plant, though still kept in service, has passed its useful life. The work of replacing it by a new one is in progress.

GENERAL.

84. The maintenance cost of the pumping and compressor stations and also of the Dadar Sewage Purification Works has increased considerably due to the abnormal rise in the cost of labour and materials including spare parts and also on account of the longer working hours of the machinery during peak-load periods.

85. The income under (9) Mechanical, Miscellaneous, Miscellaneous receipts, which comprises sale proceeds of unserviceable materials, fees for hire of ambulances, sale of sludge gas from Dadar Purification Works amounted to Rs. 42,703 against the revised estimate of Rs. 1,38,000. The decrease is due to the fact that the sludge digestion tank functioned for about only a month during the year and consequently very little sludge gas was sold. Another reason for the decrease is that the area available for the sale of the right of cutting grass at D. P. Works has greatly diminished due to the extension of D. P. Works. Moreover, a sum of Rs. 95,151 realised from the sale of steam engines with boiler, plunger pumps, etc., lying at Love Grove Pumping Station, Worli *vide* Corporation Resolution No. 1400 dated the 13th February 1947, has been held in deposit pending final adjustment to Revenue as the delivery of the materials sold is not yet complete.

WORKS BRANCH

86. The Works Branch consists of the following sections :—

I.—Construction Section.—It deals with the construction of new roads, footpaths, storm-water drains and sewers and supervises the working of the Asphalt Plant and Crushers.

II.—Maintenance Section.—It deals with the repairs and maintenance of the carriage-ways, footpaths, roadside trees and statues. It also supervises the work of lighting up the streets and carries out minor works like making street connections, adding set-backs to roads, repairs to road trenches opened by the public utility companies, etc.

III.—Drainage Section.—The work of this section is carried out under the general supervision of the Mechanical Engineer. The work comprises maintenance of storm water drains and sewers with their accessories in good repairs by resorting to cleaning. It also includes attending to the chokes in the house drains, public sewers and storm water drains for which complaints are received from the public.

IV.—Design Section.—It prepares drawings and estimates for the works to be carried out by the three sections mentioned above. This section also deals with the improvement of private streets. in the City.

I.—CONSTRUCTION SECTION

87. During the year under review the ' construction-labour ' who had put in one year's continuous service, on 1st April 1946 was brought on the permanent schedule as per Standing Committee Resolution No. 26 dated the 2nd April 1947.

88. The works carried out by this section during the year, out of funds provided in Budgets A and B, are given in Appendices H, I, J, K and L. The total expenditure incurred upto the end of the year on the construction of roads, footpaths, storm water drains, sewers and other miscellaneous works amounted to Rs. 13,34,572 against a total expenditure of Rs. 7,30,177 of the previous year. The cost of the works carried out departmentally and that by contract amounted to Rs. 8,15,186 and Rs. 5,19,386 respectively. Although there has been a considerable improvement in the expenditure during the current year on these works, it falls considerably short of the amount used to be expended during the pre-war years. Although this is the third year from the termination of the World War No. II, the position regarding procuring of engineering materials like steel, cement, etc., has not yet eased and the prices of some of them have also soared up. The expenditure during the year under report was also adversely affected by the communal riots due to political situation and the imposition of curfew at the commencement of the year.

ASPHALT PLANT

89. The asphalt-mixing Plant was run by contract labour as in the previous two years. The rates paid for this work were practically the same as those prevailing last year. The system of contract-labour having been found to be satisfactory, its scope was extended during the year to the excavation of asphalt road surfaces and removal of the excavated materials therefrom.

90. The asphalt-mixing Plant was worked for 158 days during the year. It had necessarily to be closed during the monsoon and also for 28 days due to unforeseen circumstances, making a total of 144 days (from 5-6-47 to 26-10-47), the remaining days being non-working days Sundays and holidays.

91. The following table gives information regarding the average area of sheet asphalt surfaces laid per day by way of renewal or for maintaiing the existing roads in good condition, laying asphalt surfaces on new roads and reinstating the trenches excavated by the public utility services.

Type of work.	Total area in sq. yds.	No. of days.	Average per day.
(1) Renewing 3" sheet asphalt ..	34384.00	109½	314.01
(2) Adding set-back (sheet asphalt) ..	417.00	1½	278.00
(3) Maintenance of the street ..	6799.00	24	283.29
(4) Trench reinstatement ..	639.78	18	35.54
(5) New Works ..	1622.00	5	324.40
	43861.78	158	

92. The cost of renewing the total area of 34,384 sq. yds. (Item No. 1 of the above statement) amounted to Rs. 2,79,620 ,giving an average rate of Rs. 8·13 per sq. yd. against the rate of Rs. 8 per sq. yd. during the previous year. Out of the total expenditure of Rs. 2,79,620, expenditure to the extent of Rs. 1,49,528 was met from the provision available under Advances and Suspense heads Renewal of road surfaces funds. The remaining area of 16,199 sq. yds. was renewed at a cost of Rs. 1,30,092 from the provision available under Revenue Budget for 1946-47, VIII.—Roads, Drainage and Sewers, B.—Maintenance of Roads, XXI.—Renewal of surfaces of roads for which no renewal fund exists and of surfaces of roads taken over from the *Ex*-Trust (*Vide* Appendix " N ").

93. The Laboratory at the asphalt plant carried out the following tests :—

Nature of tests.	No. of tests.
(1) Extraction ..	4
(2) Platform sand tests (surface) ..	316
(3) Testing sand from depots ..	72
(4) Tests of materials from Depots ..	32
(5) Tests of platform sand and metal ..	632
(6) Void tests ..	10
(7) Specific gravity tests ..	15
(8) Penetration and other tests ..	125

94. The value of stock such as, asphalt, sand, metal etc., on hand at the close of the year was Rs. 1,72,800.

95. There has been practically no increase in the total mileage and area of the roads in the City including roads taken over from the *Ex*-Trust treated with sheet asphalt carpet during the year under report and they stand at 51.894 miles and 11,91,945 sq. yards respectively as in the previous year.

Special arrangements to expedite the work of renewal of the sheet asphalt surfaces.

96. During the war, the work of renewing asphalt road surfaces could not be carried out for want of materials, principally asphalt and this has created a large accumulation of road surafces which are overdue for renewal. The total area of surfaces due for renewal is estimated at nearly 8,00,000 sq. yds. with the limited capacity of the Municipal asphalt plant varying between 35,000 to 40,000 sq. yards per annum, it would take several years before the whole programme of renewing the sheet asphalt surfaces would be completed. By the time the programme is completed, additional area to the extent of 1,00,000 sq. yds. will be ready for renewal. Some arrangement had therefore to be made to expedite this work. With this end in view, the process perfected by Messrs. Recondo (India), Ltd., at Singapore, consisting of segregating metal and other materials of the old asphalt surfaces and reconditioning them by the addition of asphalt, stone, sand and filler was considered. It was, however, thought that it would not be advisable to entrust a large area of the roads for being treated in this manner unless sufficient experience of the behaviour of this proceess was obtained. Th sanction of the Standing Committee and the Corporation was accordingly taken for entrusting the work to the extent of 1,05,481 sq. yards to this firm at an estimated cost of Rs. 6,82,950 as an experiemental measure. The cost of renewal by this process will be about 15 to 20 per cent. cheaper than that by the ordinary process where all new materials are used.

97. Messrs. Recondo Ltd. have made a start on this work and during the year under report, they have laid only 1273 sq. yards at Dr. Annie Beasant road between Fergusson Road and Love Grove Pumping Station at a cost of Rs. 6,167-12-0.

98. If this method is found to be satisfactory and if the surface is expected to give a life of 15 years, it is proposed to entrust to this firm the work of treating additional road surfaces due for renewal by this method. If the process is not found to be satisfactory, the other alternative for the Corporation to expedite the programme of renewal, would be to go in for an additional asphalt plant, proposals for which will be submitted to the Corporation for consideration, if necessary, in due course.

CRUSHERS

99. The two crushers at Worli and one at Sewri continued to work satisfactorily with the same output as in the previous year. Although there was a demand for more metal, additional units at both the places could not be operated due to the difficulty of getting spare parts therefor. When the situation regarding this is eased, it should be possible to increase the output of the crushers at both the places according to the requirements. The work of crushing the metal at both the plants was carried out by labour-contract at the rates of Rs. 3-8-0 and Rs. 4-4-0 per 100 c.ft. at Worli and Sewri respectively against that of Rs. 3-4-0 and Rs. 3-12-0 respectively for the previous year. The rates include charges for removal, loading etc., Rubble required for crushers was purchased from Mr. Velji Poonja Shah at the rate of Rs. 15-5-0 and Rs. 14-7-0 per brass at Sewri and Worli respectively. Some rubble was also taken from departmental works at Rs. 13 per brass for Sewri Crushers and for Scheme 52 Worli Hill dump for Worli Crushers at the rate of Rs. 6-12-0 per brass. The rates paid for rubble last year were Rs. 14-12-0 per brass at Sewri and Rs. 15 per brass at Worli.

The total out-put during the year was as follows :—

Kind of metal.		Worli Crushers Brass.	Sewri Crushers Brass.	Rate per 100 C.ft.
				Rs.
2½" metal	..	226	..	18
1½" metal	..	2048	..	27
1" metal	..	808	907	29
½" metal	..	1152	1226	31
3/8" Grit.	..	151	187	31
Grit and dust	..	701	71	25
Fine Grit	..	..	..	25
Stone dust filler	..	..	1	15
Crusher run	..	44	135	29
		5130	3171	

100. The value of stock on hand at the end of the year at Worli and Sewri Crushers was Rs. 18699-13-5 and Rs. 5,067-3-0 respectively.

The following table shows the financial results of the working of the Crushers.

		Debit.	Credit.	Net gain or loss.
		Rs.	Rs.	Rs.
Worli Crushers	..	1,24,708-6-0	1,56,381-3-0	31,672-13-0
Sewri Crushers	..	79,591-3-6	92,694-7-0	13,103-3-6

101. The working of both Worli and Sewri Crushers shows a profit. This is due to the rates of rubble obtained being lower than were anticipated and a part of the rubble being drawn from Scheme No. 52, Worli dump at a lower rate of Rs. 6-8-0 per brass (inclusive of haulage).

102. For different sizes of metal, the rates charged to the departments were on an average lower than the market rate by about Rs. 5 per brass.

II.—MAINTENANCE SECTION

Repairs and Maintenance of Roads and Footpaths.

103. There has been a slight increase in the total mileage of roads of the City at the close of the year and it now stands at 269.510 miles against 268.448 during the previous year. The classification of roads and footpaths showing the mileage and areas to be maintained and the expenditure incurred in maintaining them during the year is given in Appendix 'M'. In all 1,50,777 sq. yds. were repaired during the year at a total cost of Rs. 5,97,095. Besides, Rs. 21,520 were spent on the improvement of katcha footpaths in the City. The following additional expenditure was also incurred on general overhead and other miscellaneous charges :—

		Rs.	a.	p.
General charges	..	1,32,329	6	4
Over-head charges	..	70,489	1	11
Miscellaneous charges	..	21,675	9	8
Total	..	2,24,494	1	11

104. The percentage of the general, over-head and miscellaneous charges including Ward Establishment over the direct expenditure on road repairs and departmental and private work carried out by the maintenance Wards comes to 28.14.

105. Small patches of sheet asphalt roads and sett-paved and concrete roads were repaired by the Maintenance Branch, the area of such repairs was 22,421 sq. yds. and the cost incurred is Rs. 98,968.

106. The renewal of the surfaces of sheet asphalt roads which had finished their useful life was done either in sheet asphalt or in 1 : 2 : 4 cement concrete. The latter mode of renewal was confined to roads of narrow widths as on either side of tram tracks or to the side strips about 10 to 12 ft. in width of wider roads—as shown in Appendix 'N'. The area and cost of renewal in sheet asphalt is given under the heading of "Asphalt".

Repairs to ex-Trust Roads.

107. The expenditure incurred in maintaining katcha roads taken over from *Ex*-Improvement Trust and the Road-side trees on them amounted to Rs.11,830-14-0 and Rs. 6,982-2-0 respectively.

108. The following roads and footpaths were taken over for maintenance during the year;—

Roads and footpaths taken over or declared public.	Name of road or footpath.	Length in R.ft.	Remarks.
	Matharpakhadi Road.	332	Constructed and declared public under Section 306 of the Municipal Act.
	Footpath at Tripartite Road (north side).	951-7½"	Taken over from the Bombay Port Trust for maintenance.

Road Watering.

109. All waterbound roads and katcha footpaths comprising an area of 83,212 square yards were watered twice a day during the dry season and the expenditure incurred thereon amounted to Rs. 13,879-11-5.

Traffic Islands.

110. The position of construction of the traffic islands referred to in the previous Administration Report stands as under at the close of the year :—

Name of the Island.	Remarks.
(1) Love Grove Road junction Haines Road, Worli Junction ..	Work incomplete.
(2) Arthur Road Junction Parel Chawl Road	Not started.
(3) Mahim Chowk, Cadell Road, Lady Jamshedji Road ..	Constructed except lighting.
(4) Hughes Road Junction Babulnath Road	Work in progress.
(5) ArthurtRoad Junction DeLisle Road	Not started.
(6) Warden Road Junction Peddar Road	Work in progress.
(7) Parel Road Olivant Bridge Junction Shepherd Road ..	Do.
(8) Clare Road Junction Bellasis Road	Do.
(9) Frere Road Junction Elphinstone Bridge	Work will be taken in hand shortly.
(10) Dharavi Road Junction Sion Agra Road	Incomplete.
(11) Vithalbhai Patel Road Junction Sandhurst Road ..	Not to be constructed as per decision of the Traffic Advisory Committee, dated 8-7-1947.
(12) Sandhurst Road Junction Falkland Road	Work to be taken in hand shortly.
(13) Jail Road East Junction Babula Tank Road	Work will be taken in hand shortly.
(14) Dockyard Road Junction Mazagaon Road	Work in progress.
(15) Dockyard Road Junction Ready Road	Do
(16) Lamington Road Junction Club Road	Do.
(17) Foras Road Junction Falkland Road	Work will be taken in hand shortly.
(18) Lady Jamseedji Road, North Y Road and Road to Shivaji Park.	Incomplete.
(19) Junction of Katrak Road, Dr. Dinshaw Master Road, Firdausi Road and Sewri Cross Road.	Complete except lighting.

Roadside Trees.

111. Replacement of old trees and plantation of new ones—

(*a*) The total number of roadside trees planted in the City during the year for replacing casualties was 358. No trees were planted in new pits during the year.

(*b*) Maintenance: 186 trees were cut down as they had either perished or were unsound. 40 were uprooted during the monsson. There was no damage or injury caused to person or peroperty as a result thereof. The total expenditure incurred on the maintenance of about 16000 roadside trees during the year amounted to Rs. 12.022.

Benches.

112. The total expenditure incurred in repairing and maintaing the existing benches (*i.e.*, 714 in all kept at various places) amounted to Rs. 336.

Street name boards.

113 No new street name plates or poles were purchased during the year. The expenditure incurred on repairing and maintaining the existing name boards amounted to Rs. 866.

Upkeep and maintenance of Public Monements.

114. The following statues and public monuments were in charge of this department and they were periodically cleaned and maintained in tidy condition except the statue of H. M. Queen Victoria, the question of repairing which is under consideration. The total cost incurred for the same during the year amounted to Rs. 3,206.

Serial No.	Situation.	Statue of
1	Churchgate Street ..	Justice Mahadeo Govind Ranade, M.A., LL.B., C.I.E.
2	Marine Lines Maidan ..	Edwin S. Montague.
3	Marine Lines Maidan ..	Gopal Krishna Gokhale, C.I.E.
4	Apollo Bunder ..	Lord Hardinge.
5	Junction of Esplanade Road and Rampart Road ..	Albert Edward, Prince of Wales, (King Edward VII).
6	Junction of Esplanade Road and Mayo Road. ..	Queen Victoria.
7	Junction of Cruickshank Road and Waudby Road.	J. N. Tata.
8	Crushickshank Road ..	Sir Pherozshah M. Mehta.
9	Bhatia Baug ..	Dr. Thomas Blanney.
10	Bhatia Baug ..	Sir Dinshah Manejki Petit.
11	Junction of Esplanade Road and Hornby Road ..	Dr. Dadabhoy Nowroji, M .P.
12	Cooperage at its junction with Mayo Road ..	His Royal Highness The Prince of Wales.
13	Dhobi Talao near Jer Mahal ..	Dr. A. G. Viegas, J.P., L.M.&S., F.C.P.S.
14	Hornby Road in front of Police Head Quarters ..	Sir P. A. Kelly, Kt., C.I.E.
15	Junction of Churchgate Strete and Queen's Road from Jamshedji Tata Road.	Dr. Dinshah Watcha.
16	Dhobi Talao at the junction of Girgaum Road and 1st Dhobi Talao Lane.	Khan Bahadur Cowasji Petigara.
17	Northbrook Gardens ..	Lord Northbrook.
18	Gowalia Tank Road ..	Nusserwanji Maneckji Petit.
19	Gowalia Tank Road ..	Mr. Devidas Pranjiwandas Mehta.
20	Chowpatty Sea-beach ..	Lokamanya Bal Gangadhar Tilak.
21	Falkland Road ..	Shett Jadhowji Raghowji.
22	South west corner, toe of the west approach of Byculla Bridge.	Cursetji Manekji.
23	Dockyard, Mazagaon ..	Capt. G. F. Henry.
24	uncherji Joshi Road junction Jami-Jamshed Road Parsi, Colony, Dadar.	Mr. Muncherji Edulji Joshi, L.C.E., M.I.E., J.P.

Widening of Roads consequent upon acquisition of setbacks.

115. The cost of adding to roads the set-back lands acquired in the different parts of the City inclusive of the cost of incidental works such as shifting tram poles, electric cables, gas or electric lamps, water entrances, etc., amounted to Rs. 20,020-9-0 The total area thus added during the year was 5479 square yards.

Private and Departmental works.

116. *Private Works.*—71 works were carried out for various private parties at a total cost of Rs. 42519-7-0 *Departmental Works.*—21 works were also carried out for other Municipal Departments at a total cost of Rs. 332-46-8-0.

Road Rollers.

117. The total number of road rollers in charge of this Department are 26 out of which 22 are steam driven- (this number includes 6 asphalt Tandem rollers), 3 are petrol driven and 1 is diesel engine driven. The total expenditure on the repairs and maintenance of 20 rollers of the Maintenance Branch including establishment charges during the year amounted to Rs. 86,567 Most of these rollers have finished their useful life and efforts are being made to purchase new rollers which are still subject to Government control.

Motor traction.

118. The total number of lorries and trucks in the Road Department, Motor Transport, was 20 and 6 respectively (two trucks having been scrapped during the year under report). The mileage done by the lorries and trucks for the transport of materials was 1,93,634 and 35,999 miles, respectively, the total mileage being 2,29,633 miles. The rates charged to various departments for 4-5 ton lorries were annas 9 per mile and for 1-1½ ton trucks annas 7 per mile. A flat rate of Rs. 3-8-0 per brass was charged for transporting metal from the Municipal Crushers to any part in the City and a rate of Rs. 2-4-0 per brass was charged for hauling rubble to Worli Crushers from the Municipal Stock lying in the *ex*-Trust Schemes at Worli. The total expenditure of the working of the lorries and trucks during the year amounted to Rs. 125891-11-0 and the charges realised from the various departments for the work done on their account amounted to Rs. 1,30,265-5-0.

Due to increase in population the work of removal of refuse increased considerably during this year also and some of the Transport lorries had to be diverted to this work necessitating hiring of some private lorries for Transport of Road materials in the same way as was done last year.

119. (*a*) *Opening roads and footpaths.*—During the year 207 permits were issued for excavation in roads and footpaths. The cost of reinstating the disturbed surface was in all instances charged to the respective permit holder. The following return shows the department or other concerns responsible for such openings, and gives length in running feet and areas in square feet of the trenches restored. They were repaired at a total cost of Rs. 2,44,070-7-0 which was borne by the parties concerned.

Permits.

Serial No.	Departments.	Length of the trenches	Area in sq. ft.	Cost. Rs.	a.	p.
1	Water Department ..	47,941	1,20,350	1,27,363	0	0
2	Drainage Department ..	5,537	14543	19,750	5	0
3	Bombay Gas Co., Ltd. ..	3612	36,044	29,172	2	0
4	The B. E. S. & T. Committee ..	5,353	21,260	11,562	1	0
5	Indian Posts and Telegraphs Department ..	2,584	6,937	7,933	10	0
6	Miscellaneous Agencies ..	10,625	29,863	40,325	5	0
7	The Bombay Port Trust ..	..	..	..		
8	Mechanical Engineer's Department ..	690	2,480	3,445	0	0
9	Lighting Department. ..	..	..	..		
10	Construction Branch. ..	2,068	8,244	4,519	0	0
	Total ..	88,410	2,39,721	2,44,070	7	0

The total amount of road opening fees recovered during the year amounted to Rs. 5,983.

(*b*) Action under Section 322(*b*) of the Municipal Act, was taken to prevent unauthorised occupation of roads with building materials. 270 notices were served for contravening the provisions of the Act.

Fees were recovered for the use of roads for stacking building materials and putting up Scaffoldings. The total receipt under this head amounted to Rs. 60,442-6-0 for 756 permits.

(*c*) Temporary letting of road side lands and portions of footpath.

Ground rent recovered on account of (1) temporary lettings of road side lands and footpaths, (2) the erection of petrol tanks, and pumps and (3) other occupations for miscellaneous purposes amounted to Rs. 32,865-7-0. This amount was exclusive of the rent for the Tramways tracks which amounted to Rs. 66,944.

(*d*) The following table gives the number of permits issued for different purposes and the amounts recovered therefrom :—

Particulars.	No. of permits issued	Amount recovered. Rs.	a.	p.
Mandaps ..	100	1,200	12	0
Chairs and Benches ..	279	11,16	0	0
Holi ..	76	Free		
Ganpati ..	25	Do.		
Moharrum ..	225	Do.		
Total ..	705	2,316	12	0

With effect from the 7th August 1947, Tramway, Electricity and Bus concerns of the B. E. S. & T Co., Ltd. have been taken over by the Municipality and they are managed by the B. E. S. &. T. Committee *vide* Corporation Resolution No. 501, dated the 11th July 1947 and subsequent amendment in the City of Bombay Municipal Act *vide* Bombay Act XXXIII of 1947.

No additions were made to the total length of the tram tracks in the City during the year except 530/ft of single track siding at King's Circle Matunga, the existing total length of double tracks being 26.70 miles and single tracks 2.52 miles including 530 ft. of single track siding constructed during the year.

120. In accordance with the Corporation Resolution No. 4313, dated the 7th October 1915, the following information regarding the rolling stock has been obtained from the B. E. S. & T. Committee for the year under report :—

Tramways.

Type of cars.	Number.	Total capacity of seating in each.	Total.
Bogies ..	29	60	1,740
Single Truck Trains ..	149½	73	10,913
Bogie Double Decks ..	96	99	9,504
Trailers ..	30	32	960
		+ 40 Standing	1,200
	274½+30 trailers.		24317

121. No tramway shelters were erected during the year. However, some of the tramway shelters damaged or destroyed were rebuilt. No new bus queue barriers were erected during the year, the total number of existing barriers with and without roofs being 8 and 20 respectively.

Public Street Lighting.

122. The public street lighting is done by gas, electric and incandescent oil lamps.

123. The total number of lamps in the City at the end of the year was 10,942 which exceeds the corresponding figures for the previous year by 9. The details of different types of lamps are as under :—

(1) *Low Pressure Gas Lamps.*

agonal.	Bombay.	Littleton.	Rochester.	London.	Traffic direction lamps at traffic islands.	G Type Pattern lamps	Total.
4050	264	3703	512	12	119	26	8686

High Pressure Gas Lamps.

Keith.	Suggs.	Metro Supervia No. 1.	Metro Supervia No. 2.		
40	8	53	2	-	103

3	*Electric lamps of different types*	1957*
4	*Incandescent oil lamps.*	196

* Besides these, there are 23 Policemen's spot-lights. There are also 12 other lamps on railway foot over-bridges at Chowpatty, Byculla and Dadar maintained by the Railways at the cost of the Public Lighting Department.

The candle power of Gas lamps varies from 70 to 4000 and of electric lamps from 40 watts. to 500 watts. There is one electric lamp of 1500 watts. at the Sandhurst Bridge.

124. The statement given below shows the candle power of lamps, the energy consumed by them during the year and the expenditure incurred on account of maintenance, etc. On an average 5,49,345 C.ft. of gas and 4,492 (K watts. H) units of electricity were consumed per day as against 4,94,540 C.ft. of gas and 4,325 (K watts H) units of electricity consumed per day during the previous year.

Kind of lighting.	Candle Power.	Total consumption of energy during the year.	Expenditure for lighting and maintenance.
			Rs. as. ps.
Gas ..	21,29,780	20,10,60,000 C.ft.	6,00,063 12 0
Electric ..	4,71,000	16,40,000 K.W.H.	3,00,065 0 0
Incandescent Oil ..	78,400	..	57,272 4 0

125. An additional expenditure of Rs. 19,477-12-0 was incurred on the following items :—

	Rs. as. ps.
(1) Erection of new lamps ..	11,410 0 0
(2) Repairs and Maintenance of existing lamps ..	17,787 12 0
(3) Miscellaneous ..	280 0 0

126. As usual, Rs. 1,60,550 and Rs. 43,680 were paid to the Bombay Port Trust on account of maintenance and lighting of Wharves and roads in their charge by adjustment against the amount due from them in respect of the General Tax for the year under report.

127. Since the concern of the B. E. S. & T. Company was taken over by the Municipality with effect from the 7th August 1947, the contract with the Company for lighting streets with electricity was terminated on 6th August 1947 and the work of lighting streets with electricity is since continued by the B. E. S. & T. Committee under the same terms and conditions.

DRAINAGE SECTION

128. (*a*) *Works of repairs and alterations.*—to drains and sewers including removal and replacement of 84 manhole frames and covers, lamp-holes, water entrances etc., 13 gratings of water gullies, 19 vent shafts and shifting of water entrances for providing better facilities for cleaning operations whenever necessary were carried out at a total cost of Rs. 18,477.

(*b*) *Cleaning operations.*—The following table will give an idea of the cleaning works carried out during the year under report :—

Particulars.	Mileage as per last year's report.	Increase during the year.	Total mileage at the end of the year.	Mileage cleaned.	Silt removedl.
				Tons.	Tons.
Pipe sewer ..	206.86	..	206.86	129.52	4706.11
Ovoid sewers ..	17.18	..	17.18	5.38	3056.27
Storm water drains ..	209.28	11	209.39	11.80	8222.67

Water courses.—The water courses were cleaned whenever necessary.

Catchpits—40/Catchpits on ovoid and pipe sewers were cleaned at regular intervals and the silt removed was 3741.19 tons.

Water Entrances.—16390 water entrances including perforated stones were cleaned and opened before monsoon and were closed after monsoon.

Street connections.—52050 street connections were cleaned during the year.

(*c*) *Biological Installation at Banganga.*—This installation was kept in working order during the year at a cost of Rs. 3,190.

(*d*) *Vent-Shafts.*—All the vent shafts on pipe sewers, etc., which number about 969 were maintained and kept in working order.

(*e*) *Cleaning and maintaining open storm water channels.*—The cleaning and maintenance of these channels were carried out at a total cost of Rs. 14,841. Silt removed from these channels was 6597 tons.

(*f*) *Relieving arches at Falkland Road.*—Owing to the surcharged condition of the main sewer throughout the year, the work, of construction of reliving arches could not be carried out.

(*g*) *Extra ordinary repairs.*—Extra ordinary repairs due to breack-downs in the old sewers and S.W. Drains were carried out at a total cost of Rs. 3,130.

(*h*) *Sluices.*—27 Sluices were operated and maintained at a total cost of Rs. 126.

(*i*) *Deep Sullage drains and house drains in private Properties.*—Upto the beginning of the year, the cleaning of only 49 deep sullage drains and house drains was attended to by this Branch. But since the commencement of the year, the Corporation transferred to this Branch from the Conservancy Branch, the work of cleaning all house drains and provided a nucleus of staff for the purpose. The systematic cleaning of house drains was done with his staff but as work proceeded it was noticed that the house drains require a thorough cleaning and repairs and the sanctioned staff was insufficient. The Corporation is therefore being approached to increase the staff. The work carried out during the year consisted of removing chokes from house drains wherever noticed or reported by the Health Department or on receipt of complaints from the public and of cleansing of house drains by swooping whenever found necessary.

Flooding.

129. As in the previous year, Special arrangement was made to alleviate flooding as quickly as possible by posting men in certain selected low lying localities for 24 hours throughout the monsoon to remove kutchra from water gullies, open out manholes etc., and give relief to the public. The whole arrangement was supervised by two Inspectors.

NEW WORKS

130. Owing to increase in population, it has been noticed that there are constant chokes and obstructions in sewer and house drains. It will be a long time before measures can be taken to remove the cause permanently. In the mean while, relief had to be given by more frequent cleaning of sewers and by providing temporary overflow connections from sewers to storm water drains. One such work is in progress at the junction of Currey Road and Suparibaug Road. The expenditure booked under this head so far is Rs. 1,034.

In order to reduce the duration of flooding which takes place at Kalachowki Road junction Victoria Garden Road during heavy rains, overflow connection from storm water drain to storm water drain has been given. The expenditure booked under this head is so far Rs. 1,386.

DEPARTMENTAL PRIVATE WORKS

131. Departmental and Private works amounting to Rs. 19,070-13-0 (Departmental Rs. 17,485-7-0 and Private works Rs. 1,585-6-0) were carried out during the year at the cost of various departments and private parties.

IV.—DESIGN SECTION

132. The following statement shows the work done by the Design Section during the year 1947-48 :—

No. of estimates prepared.	Amount of estimates prepared.	No. of estimates revised.	Amount of estimates revised.	No. of estimates checked.	Amount of estimates checked.
	Rs.		Rs.		Rs.
279	88,04,540	257	6,77,741	296	97,60,236

133. 613 Tracings of roads and drainage works were prepared and 2100 blue prints were taken out during the year.

134. This year, plans for Election Mandaps were also prepared in addition to the above work.

135. The Survey Sheets are being maintained with up-to-date information regarding sewerage work, street connections and other miscellaneous works.

136. *Improvement of Private Streets.*—(1) Actions under Sections 305 and 377(1-A) of the Municipal Act were in progress in 21 cases including 20 cases which were mentioned in the last year's report (year 1946-47).

(2) Prosecutions were launched in 46 cases as the frontagers failed to comply with the requisitions under Sections 305 or 377(1-A) of the Municipal Act. As a result, usual undertakings were received in 30 cases, in one case the party was fined Rs. 30 and in remaining 15 cases the prosecutions are in progress.

(3) No works were carried out departmentally at the cost of the frontagers under the provisions of Section 489 of the Act.

(4) In 3 cases claims aggregating to Rs. 2,733-2-0 were declared as " Improvement Expenses ".

(5) Recoveries (including interest) made from the house-owners during the year for works carried out in previous years amounted to Rs. 7,352-2-0.

(6) The following 2 streets were declared ' public ' under Section 306 of the Municipal Act during the year under report.

	Name of the Street.	Area in Sq. ft.
(1)	Private street between Rose Cottage Lane (now known as Champsi Bhimji Road and Matarpakhadi Road—Lane A.	200'×0"×6 -0"=1200 sq. ft.
(2)	Do. do. —Lane B ..	130' 0"×7 -0"=910 sq. ft.
	Total ..	2110 sq. ft.

(7) Amendments of certain Sections of the Municipal Act referred to in the report of the last year are still under the consideration of the Corporation.

GENERAL

137. *Roads.*—Owing to the shortage of road rollers and other road implements, the work of improving the surfaces of the roads in the city could not be carried out speedily and satisfactorily. Every effort was however being made to maintain the surfaces in as good condition as possible mostly by resorting to frequent patch repairs. Unless the position regarding the rollers improves, it will be difficult to bring the surfaces of most of the roads in the city to the pre-war standard. The Municipality had 28 rollers with them in 1938 out of which 8 had to be spared for war work. Out of the remaining rollers most of them have finished their useful life. Atleast 8 new roollers are required. Attempts ware being made to get them from the Government of India but so far they have not been successful.

138. *Footpaths.*—Nearly 5,16,322 sq. yds. (or 37.303 miles) of kutcha footpaths still remain to be paved. Grants provided for this work had been inadequate in the past. At the rate the grants were provided, it would take a number of years before all the kutcha footpaths in the City are paved. It is desirabile to give priority to this work on hygenic and sanitary grounds. However, in order to give relief to the occupants of buildings abutting kutcha footpaths in developed areas, a special grant for treating such footpaths by dressing with asphalt is being provided in the past, year to year and during the year under report, a total area 22,876 sq. yds. of kutcha footpaths was improved by surface dressing. In addition, a total area of 19,929 sq. yds. of footpaths in different localities was also paved.

139. *Lighting.*—There was some improvement in the lighting of roads provided with electric lights. No improvement was however possible in the lighting of streets served by gas lamps. On the contrary, due to the reduction in the quota of coal allotted to the Bombay Gas Co. for generating coal gas, lighting in some localities had necessarily to be further reduced by keeping more lamps out of commission. Naturally, this reduction gave rise to complaints of inadequate lighting from the public. The Government of India have been apprised of this position and requested to restore the normal quota of coal to the Bombay Gas Company. Some improvement in the lighting of the streets served by gas lamps is likely to take place when a new Carburetted water gas plant for generating water gas is completed by the Bombay Gas Company.

140. Certain streets of the City where gas and electric mains have not been laid continued to be lighted by incandescent oil lamps. Most of these lamps having completed their useful life, had to be replaced by new ones but due to the difficulty of obtaining them, only a few lamps could be replaced. Besides, efforts are being made to replace the incandescent oil lamps lighting either by electric or gas lighting by requesting the two Companies to extend their supply mains for this being done.

141. The lighting of the streets in the City cannot be said to be of a high standard. It falls short considerably of the modern requirements. A number of complaints are being received from the public that this standard should be improved by increasing the number of electric and gas lamps. It is proposed to make a beginning in this direction by first improving the standard of lighting of main arterial roads and important junctions.

142. *Traffic Islands.*—The construction of traffic islands according to the list of priority approved by the Traffic Advisory Committee was in progress during the year as mentioned in detail above. Further list of about 50 traffic islands is still under the consideration of the Traffic Advisory Committee.

143. *Transport.*—The difficulty of transport continued during the year under report and as a result, contractors, lorries had to be engaged for transporting excavated stuff.

144. *Labour troubles.*—Since the revision of grades and the grant of other amenities to labour in the year 1946-47, the cost of labour has increased considerably but the turnout of work has not correspondingly improved The deterioration that set in then has persisted during the year under report but the situation is now better. The Corporation has moreoever appointed a Labour Officer very recently and it is expected that many of the grievances of the labourers which had to be attended to by the engineering staff in the past will be looked after by this officer relieving the engineering staff to pay more attention to economical, speedy and efficient execution of the various works. The system of carrying out some work by ' labour contract ' introduced some years back for the works of the crushers and asphalt plant, having been found to be satisfactory, its scope has been further extended to the maintenance of roads also.

145. *Requisitioned buildings.*—The buildings that were requisitioned during the war period for housing the municipal labour staff employed on essential services, have now been de-requisitioned under a Government Order and the Municipality is now an ordinary tenant of the owners of such buildings. Most of the owners are pressing that the labourers accommodated therein should be shifted and vacant possession of the rooms occupied by them should be given to them. Due to the difficulty of getting alternative accommodation, both in private and municipal buildings, the labourers had to continue to stay in the premises allotted to them during war period. As soon as a room or a block of rooms fall vacant either due to superannuation or on account of the labourers having secured alternative accommodation, such room or rooms, are immediately handed over to the owner. During the period under report, 1 room and 16 blocks were released to their respective owners. It is also intended to house some of the labourers in 136 military hutments at Koliwada, the possession of which was taken during this year from the military authorities. But before the municipal labour could be asked to

occupy them, some work on drainage and partition had to be carried out. This being done in the case of 29 rooms, they were made available for the use of the municipal employees. Work on the other hutments is in progress but in the meantime. they have been occupied by refugees and squatters. As soon as the hutments occupied by the refugees and squatters are vacated, some of the labour staff from the de-requisitioned buildings will be housed therein and the rooms occupied by them surrendered to the respective owners.

146. The Municipality is at present paying Rs. 1,19,134 as rent for the requisitioned buildings. Upto the year ending 28-2-1947 the Government used to share half the cost but since 1-3-47 the Government are not paying anything. This liability will have to be continued to be borne till such time that the alternative accommodation is provided for the labourers. This can be done by housing some of them in the military hutments in our possession and some i.. the quarters to be constructed by the Municipality. It is proposed to make a provision for housing the labourers of the essential services in the Budget proposals for 1949-50.

I—REMOVAL OF TOWN REFUSE TO DEONAR

147. The bulk of town refuse was as usual transported to Deonar in Railway wagons. Two trains consisting of an average of 34 wagons each were despatched to Deonar every day. The total number of wagons sent during the year under report was 23,581 as compared to 23,572 during the previous year. Taking an average of 12 tons per wagon the quantity of refuse removed to Deonar was about 2,82,972 tons against 2,82,870 tons during the previous year. The total cost of removal and disposal amounted to Rs. 4,49,349 against Rs. 4,12,960 of the last year showing an increase of about annas 2.5 per ton which is due to the general rise in prices of materials. The rate per tons works out to Rs. 1-9-5 against Rs. 1-7-0 per ton during the preceding year.

148. There has been no addition to the rolling stock during the year. The number of wagons has been reduced by 7, these having been condemned by the B. B. & C. I. Railway as they were found beyond repairs. The following rolling stock is in use at present:—

140	Refuse wagons
19	Silt wagons
9	Carcass wagons
6	Brakes.
174	

149. As stated in the previous report the question of constructing steel wood composite wagons was taken up with the B. B. & C. I. Railway administration and as per their estimates a sum of Rs. 37,000 has been deposited with them out of a total provision of Rs. 40,000 (made in 1946-47 and 1947-48) to meet the cost of 7 wagons.

150. The cost of repairs and maintenance of the wagons as well ss of the sidings at Mahalaxmi amounted to Rs. 72,027-15-0 as against Rs. 57,012-14-0 for the previous year. The increase in cost is due to heavy repairs having been done to c rtain wagons during the year under report. The position on the whole is unsatisfactory as most of the wagons have outlived their useful life and are required to be replaced by new ones immediately for which a provision of Rs. 80,000 has been made in the current year's Budget under Post-War Reconstruction Fund. The B. B. & C. I. Railway has been requested to state how many wagons can be constructed within this amount.

151. During the year under report additional land admeasuring about 8 acres was reclaimed. Refuse was also dumped over the land already filled in to fill up the depression caused by fire and rain. A recent survey of the reclaimed land showed that about 400 acres out of 823 acres of low lying land has so far been reclaimed.

152. The total income realised from various sources such as cultivation of the reclaimed land, temporary letting out of the portions of the land to Messrs. Anderson Dawn & Co., and to the military authorities skinning dead animals and sale of rights of fishing etc., amounted to Rs. 1,20,795 as against Rs. 85,567-4-9 during the previous year. Increase in the year under report is due to satisfactory bid in the right of skinning dead animals at Deonar

153. The work of unloading refuse wagons was carried out by departmental labour housed at Chembur at a cost of Rs. 1,59,870 as against Rs. 1,53,698 in the preceeding year.

154. The amenities provided in the labour camp for the benefit of the staff such as free medical help, free primary education, welfare centre, Gymnasium etc., were continued during the year A maternity ward with 4 beds has also been provided. The authorised ration shop in the labour camp where all controlled as well as other house-old articles ares old, continued to work satisfactorily.

155. No case of major fire, railway accidents or derailment occurred on the reclama tion during the year.

156. The Railway siding laid by the military authorities on the reclamation was continued in use during the the year and their wagons were carried over the municipal and military siding to the ammunition wharf constructed on the outskirts of the municipal land. At the end of the year, the G.I.P. Railway authorities have taken over charge of the Railway track, Depot and the wharf from the military authorities for their Kurla Karjat project, and the other land under lease has been returned to the Municipality by the military authorities.

157. The scheme for laying a pipe line from Dadar Sewage Purification Plant to Deonar for conveying either effluent sewage or sewage sludge for irrigation of lands belonging to private persons as wells Municipality at Deonar has been approved by the Corporation, but owing to continued non-availability of materials the scheme has been shelved for the present.

158. The incinerator at Love Grove continued to work during the year, and about 3,794 tons of refuse was burnt in it. The question of installing more incinerators in the city with a view to destroying refuse locally and thus reducing the number of wagons to be sent to Deonar is under consideration.

159. The length of the main railway line and the kutchra siding is 6,700 feet. The lengths and the number of the temporary sidings vary from time to time.

PREPARATION OF MASTER PLAN FOR THE GREATER BOMBAY REGION.

160. Under their Resolution No. 60, dated the 10th April 1947, the Corporation sanctioned the work of preparing a Master Plan for the Greater Bombay Region being undertaken by the Municipality under the supervision of Mr. N. V. Modak, Special Engineer, in consultation with the Professional Town Planner Mr. Albert Mayer of Messrs. Mayer and Whittlesey of New York, U.S.A., and the expenditure being incurred outside the Municipal limits, half the cost to be borne by Government.

161. The staff required for the purpose was appointed and the work started in June 1947. The two American Experts, Mr. A. Mayer and Mr. W. J. Cox, arrived in the month of July 1947, before which the preliminary survey and rough reconnaissance of the area covered by the region were carried out. Some data in regard to the topographic, economic, social and other factors was collected. The existing road communications both in the City and the Suburbs were also studied. After analysing the data collected a rough outline of the Plan was prepared and placed before the two Experts.

162. The two Experts were taken round the whole of the area covered by the Greater Bombay Region, as well as to the surrounding regions of Ambernath, Kalyan, Panvel, Uran, etc. An aerial inspection was also arranged at their request, to give them a rough idea of the lie of the land covered by the Greater Bombay Region as well as by the City proper and the extent and nature of the development therein.

163. After discussion and mutual exchange of views and consultation with various interests concerned with the development of the region and the expansion of Bombay City limits, a skeleton Master Plan was evolved. It aims at securing correct and proper inter-relationship between residential, industrial, business, shopping and educational areas with an efficient, safe and economic system of roads. A joint Report has been prepared by the Special Engineer and the two American Experts, giving the broad principles on which the skeleton Master Plan has been based and its effect upon the City proper.

164. The total expenditure incurred on this work upto March 1948, amounts to Rs. 69,411/-.

165. The work of filling in details of the Master Plan has now been taken in hand. This work comprises of the fixing of the exact location of roads, limits of different zones, location of green belts, and the preparation of internal layouts for residential, industrial and other areas.

165. Bombay proper has only an area of 26 square miles and is populated by over 28 lakhs of people. The area of Greater Bombay is proposed to be extended upto Bassein Creek in the north on the B.B. & C.I. Railway and to include Thana on the G.I.P. Railway. The total area of Greater Bombay would then admeasure about 197.50 square miles exclusive of the 26 square miles—the area of the City.

167. The user of land has been fixed by zoning for heavy industries, noxious trades, residences, parks, shopping centres, hospitals, etc., which would prevent inter-mixture of different kinds of developments. Heavy industries are intended to be located in the Kalyan and Ambernath areas. Public parks, playgrounds and open spaces have been provided for on the basis of 4 acres per 1,000 persons. Residential zones will be laid on the principles of neighbourhood units, which will have places of their own for shopping, recreation, schools, playgrounds, dispensaries, etc., so as to make them self-sufficient and self-contained and to cut down the travel of the inhabitants to the City proper for their daily requirements of food, clothing, education etc.

168. Adequate provision has been made for transport and traffic facilities. Two express highways have been proposed, one runing on the east of B.B. & C.I. Railway from Mahim to Borivli and the other on the east of G.I.P. Railway from Sion to Thana. These two roads will cater for the fast moving traffic from the City to the Greater Bombay and regions beyond. Each of these roads would be a limited access road with elimination of cross flows of traffic as far as possible. The road would be designed in the first instance for two lanes of traffic in each direction with the provision for an eventual widening, if needed. Cross flows of the vehicular traffic would be provided for at distant intervals by fly-overs. Culverts will be constructed at intermediate points for the crossing of the pedestrians and bicycles. There are very few existing roads running east to west in Greater Bombay which deficit is proposed to be made good by the provision of three new additional main roads.

169. As regards rail communications, the matter is under consideration how best to link the B.B. & C.I. and G.I.P. Railways, both in the City and the Suburbs. A scheme is also under consideration for the electrification and duplication of the Kurla-Mankhurd Railway and its extension to Palasdhari across Thana Creek which would open out the areas near Panvel, and provide a short cut to Poona.

N. V. MODAK,

Special Engineer.

APPENDIX 'A'

Statment showing the works provided in the year 1947-48 under new works,

Serial No.	Name of Work.	Amount Provided.	Expenditure booked during 1947-48.	Remarks.
		Rs.	Rs. a. p.	
1	Providing a toilet room for the lady employees in the existing room used by the Bhat at Head Office.	9,398	4,702 3 0	The work has been completed.
2	Constructing a C. I. Sheet Shed at Bellasis Bridge Pipe Depot.	700	589 6 0	Do. do.
3	Providing an additional room in the Servants' Quarters for Chowkidars in Municipal Commissioner's Bungalow.	417	312 2 0	Do. do.
4	Providing permanent asbestos cement sheet weather shades to the windows of Municipal Commissioner's Bungalow.	1,393	1,302 4 0	Do. do.
5	Providing a hand wash basin and taps in the staff W C Blocks, East, at Municipal Head Office	1,338	1,105 12 0	Do do
6	Providing a ceiling fan in the Tiffin Room at Municipal Head Office	315	...	The work has been in postponed for some time.
7	Providing and fixing X P M over the railings at F Ward Office, of A and C.'s Department at Elphinstone Road.	713	478 2 0	The work has been completed
8	Providing a collapsible door at the Ward Office of A & C.'s Department at Elphinstone Road.	412	...	The work has been entrusted to Mechanical Engineer.
9	Construction of a shed with a mhani for housing the bigaries at Central Stores.	4,534	...	Boxing for coping is completed, the work is in progress.
10	Improving the water supply at Byculla Terrace	1,850	...	Provision for this work was made from S.C.B. under C. R. No. 923 of 18-11-1947.
11	Reinstating the portion of the North side compound wall of Colaba Market.	878	...	Do. do. under C. R. No. 1399 of 16-2-1948.
12	Restoring the playground to the original condition by semi grouting the pits in the Municipal Urdu School at Souter Street.	428	...	Do. do.
13	Demolishing the fire brigade shed at Keluskar Road North near Shivaji Park.	258	—	... Do. do.
14	Construction of a Mezanine floor in the Architectural Engineer's Design Section in the Municipal Head Office.	4,370	...	Do. do. under C. R. No. 1695 of 29-3-1948.
15	Raising the boundary walls including reconstructing the wall on the the North and South sides of the Health Camp at Sukhlaji Street.	2,952	...	The work will be taken in hand when materials are available.
16	Providing a new R.C.C. Storage Tank of 400 gallons in the compound of Tank Bunder Hindoo Cemtery.	1,088	477 12 0	The work has been completed.
17	Providing a C.C. passage in the compound of Bhoiwada Hindu Cemetery.	1,596	...	The work is being carried out, by A. E. M.
18	Constructing roof over the pyres at the Sion Hindu Cemetery ...	2,528	...	The work will be taken in hand when materials are available.
19	Constructing fire wood Depot at the Haines Road Hindu Cemetery	6,197	...	The work has been entrusted to the contractors.
20	Providing and fixing W.I. angle fencing with W.I. angle gate, etc. in front of Foras Road Dharamshala.	645	...	The work is nearing completion.
21	Providing one W.P. and converting two privies into W.Cs. at Haines Road Hindu Cemetery.	1,932	66 14 0	The work is in progress.
22	Constructing a garage for Mobile Cinema Van at Palton Road Health Department Stables.	450	161 12 0	Do. do.
23	Constructing two W.Ps. for dhobies to the rear of 300 tenements at Arthur Road.	4,432	3 10 0	Do. do.
24	Constructing two temporary sheds for Small-pox patients at Arthur Road Hospital.	9,717	2,701 11 0	Do. do.
25	Providing and fixing a new M.S. plate storage tank for W. C. on wooden frame at Foras Road Dispensary.	485	57 4 0	Do. do.
26	Providing white glazed tiles to the flooring and dado of bath-rooms of Eye Hospital at Kamathipura.	269	245 4 0	The work has been completed.
27	Providing a water tap and door for the Garden at Bellasis Road Maternity Home.	566	101 3 0	The work is in progress.
28	Constructing a dark room with linoleum flooring at the Anti-Tuberculosis Clinic at Foras Road.	1,610	529 9 9	Do. do.
29	Providing and fixing barbed wire fencing around open space between the clinic and motor garage of V. D. Clinic and Maternity Home, Bellasis Road.	464	258 0 0	Work has been completed.
30	Providing additional storage tank of 200 gallons capacity and constructing a W.P. for dhobies at Cadell Road Maternity Home.	3,977	...	Work has been entrusted to Contractors.
31	Constructing a chowky for Ramoshi at Turner Sanatorium ...	462	257 11 0	Work has been completed.
32	Providing and fixing X.P.M. in the open gaps all round over the trellies work of the dhobies drying shed at Turner Sanatorium.	537	353 0 0	Do. do.
33	Constructing an additional W.P. and widening the existing W. P. for dhobies in the compound of Turner Sanatorium.	1,808	...	The work will be taken in hand as soon as materials are available.
34	Providing and fixing permanent weather shade to the north side windows of the Matron's Quarters at Turner Sanatorium.	145	111 0 0	The work has been completed.
35	Constructing a brick masonry compound wall in lieu of the existing teak wood pale fencing at Foras Road Dispensary.	617	252 7 0	Do. do.
36	Construction of W.C. and W.P. for the Nurses' Quarters on the terrace of the Eye Hospital at Kamathipura.	1,395	...	Work has been entrusted to the Contractors.
37	Raising the existing compound wall of Eye Hospital at Kamathipura.	662	501 12 0	Work has been completed.
38	Constructing Watchman's chowky at Dean's Bungalow ...	435	397 4 0	Do. do.
39	Constructing a Watchman's chowky for lady students' Hostel at G. S. M. College.	108	50 13 0	Do. do.
40	Providing R.C.C. storage tank on the terrace of old servants' Quarters with all necessary water connections at G.S.M. College.	962	5 5 0	The work is in progress.
41	Drainage arrangement for the underground water hydrant in the lady Students' Hostel and Dean's Quarters, etc.	1,715	37 13 0	Do. do.
	Carried forward ...	74,578	15,059 13 9	

Serial No.	Name of Work.	Amount Provided.	Expenditure booked during 1947-48.	Remarks.
	Brought over ...	Rs. 74,578	Rs. a. p. 15,059 13 9	
42	Renewing the wooden chowky for the Railway staff working at Mahaluxmi Siding.	2,168	1,667 12 0	The work has been completed.
43	Providing water tap, etc., at Koliwada Village	2,569	133 15 0	The work is in progress.
44	Providing a brick masonry chowky for the use of the sweepers at P. C. Block at Lloyd Recreation Ground.	1,253	1,169 9 0	The work has been completed.
45	Reconstrudting a 5 seated W.C. Block in the compound of Sukhlaji Street Health Department Chawls.	3,234	1,065 1 0	The work is in progress.
46	Constructing four bath-rooms, etc., at Bapty Road ...	436	23 5 0	Do. do.
47	Providing two storage tanks at Mahaluxmi Siding ...	8,028	7,289 15 0	The work has been completed.
48	Consolidating the road way for the newly constructed culvert to the dumping ground at Haines Road.	5,137	359 11 0	The work is in progress.
49	Providing C.C. pavement along the W.P. and Bath-rooms at Labour Camp, Chembur.	1,674	176 14 0	The work has been copleted.
50	Extending the existing C.C. pavement at Mang Garudi Camp, Dharavi.	4,550	3,344 15 0	Do. do.
51	Constructing W.Cs. and Bathing cubicals at the Cochin Street Municipal Chawls.	13,000	...	The work will be taken in hand when materials are available.
52	Improving the water supply of Palton Road Stables ...	625	...	Do. do.
53	Providing and fixing W.C. storage tank in Chawl No. 3, Halelkhore Chawl Dadar.	1,486	...	Do. do.
54	Providing a C.I. Sheet shed for electric motor of the incinerator Love Grove Pumping Station.	1,210	...	Work has been entrusted to P. W. Contractors.
55	Providing a catch pit with sluice valves for the Night Soil Depot at Sion.	1,867	1,133 4 0	Concrete and brickwork has been completed.
56	Providing ½" water connection at Haines Road Reclamation Ground.	700	...	Work has been entrusted to HE.
57	Providing cement concrete pavement in the passage, etc., at Jail Road North behind Chawl No. 64.	1,755	662 12 0	Work has been completed.
58	Provision of electric lights in the two rooms used for welfare activities at Chembur Labour Camp.	630 +308 +2,303	2,015 6 0	The work's nearly complete.
59	Providing C.C. pavements around the W.P. and Bath-room at Labour Camp, Chembur.	2,942	...	The work has been postponed.
60	Construction of a hopper near Koliwada Railway Station, Scheme No. 6.	8,969	...	New provision made under C.R. No. of 29-3-1948.
61	Renewing the existing broken Shahabad Stone Pavement at Cochin Street Chawls, Room 96.	6,000	...	The work will be taken in hand when materials are available.
62	Conversion of a Store Room into a Post Mortem Room at Nair Hospital and conversion of a portion of Servants' Quarters into kitchen at Nair Hospital.	25,529	25,529 0 0	The work has been completed.
63	Construction of additional W.Cs. at Bathing cubicals at Municipal Chawls, Cochin Street.	15,901	...	The work will be taken in hand early in 1948-49.
64	Constructing W.C. and urinals for the labour staff of G Ward Office of the Works Branch.	2,511	2,110 12 0	The work has been completed.
65	Providing W.C. and W.P. and a small store room at Jacob Circle Pumping Station.	5,969	6 10 0	The work is in progress.
66	Providing a barbed wire fencing around Sion Pumping Station...	1,520	...	The work will be taken in hand when materials are available.
67	Providing a W.C. at Sion Pumping Station	1,837	...	Do. do.
68	Conversion of one of the bath-rooms into full flushing W.Cs. for slucemen's quarters at Worli.	3,241	...	The work is in progress.
69	Providing permanent weat the shades in the Compressor Station and Engineer's Quarters at Colaba.	5,38	84 7 0	The work is in progress.
70	Providing 6' wide verandah with C.I. sheet roof to the servants' quarters at Matunga Pumping Station.	805	694 4 0	The work is completed.
71	Extension of the control room of the Central Fire Brigade Station.	2,000	1,957 11 0	Do. do.
72	Providing nahanis in the room in one of the ground floor chawls occupied by the staff at Byculla Fire Brigade Station.	946	801 3 0	Do. do.
73	Providing nahanis inside the rooms of staff quarters at Dadar Fire Brigade Station.	1,907 +440	...	The work will be taken in hand when materials are available.
74	Providing nahanis inside the rooms of staff quarters at Sewri Fire Brigade Station.	1,121	...	Do. do.
75	Extension of the F and G Wards Offices at Elphinstone Road ...	3,808	337 7 0	The work is in progress.
76	Providing galvanized iron wire fencing with square teak wood standards, etc., near the Public Convenience at the reserved area at Matunga.	1,235	...	Do. do.
77	Providing a storge tank in S. G.'s quarters at Victoria Gardens ...	836	126 8 0	The work has been completed.
78	Renewing the existing W.C. block attached to the mali's quarters at Victoria Gardens.	1,403	657 9 0	Do. do.
79	Providing electric lights in Mali's quarters in Victoria Gardens.	330	34 2 0	Do. do.
80	Making ½" connection with the stop taps with Moris Couplings at the Tulsirampada Gardens.	494	...	The work will be taken in hand when materials are available.
81	Fixing of two foot ball posts at the Club Back Road and Rebsch Street.	380	...	Do. do.
82	Constructing brick masonry sandpits at Chowpatty Band Stand.	309	...	Do. do.
83	Provision of pavement with complete drainage arrangement at the site where the operation cage is kept in the infirmary in Victoria Garden.	445	...	Do. do.
	Carried forward ...	2,18,927	66,441 13 9	

Serial No.	Name of Work.	Amount Provided.	Expenditure booked during 1948-49.	Remarks.
	Brought over ...	Rs. 4,18,927	Rs. a p. 66,441 13 9	
84	Constructing R.C.C. post mortem room with R.C.C. platform in the infirmary.	1,648	1,493 7 0	The work has been completed.
85	Construction of a traffic island in the Victoria Gardens opposite the Museum.	3,569	1,651 8 0	The work is in progress.
86	Providing angle iron fencing in place of the remaining wooden pale fencing at N. E. corner of Victoria Gardens.	2,434	...	The work will be taken in hand when materials are available
87	Paving with set stone pavement the open space in front of the Slaughter House at Bandra.	3,658	366 3 0	The work is in progress.
88	Providing iron bars with hooks on wooden structures for hanging kena in Head and Liver Sections of Erskine Road Market.	213	176 1 0	Do. do.
89	Removing C.I. sheets and providing mangalore tiles over the roof of the new Mutton Section and providing glasses in the roof of the Fish Section at Fergusson Road Market.	897	493 1 0	Do. do.
90	Constructing a longitudinal pass-age and the two Cross wise passages in G. M. C. Market.	4,515	3,125 14 0	The work has been completed.
91	Construction of a chowky for the use of Fair Ground contrcactors at Bandra Slaughter House.	7,118	...	The work will be taken in hand when matrials are available.
92	Cement concreting the passage between the two S. P. Sheds at Bandra Slaughter House.	728	...	Do. do.
93	Constructing 2 W.Ps. on the north and south of the S. P. sheds at Bandra Slaughter House.	1,361	...	Do. do.
94	Providing precast R.C.C. slabs over the open channel drain on the east side of sheep pen near the Beef Section at Bandra Slaughter House.	785	148 7 0	The work is in progress.
95	Constructing a W.P. on 1st floor of the new Butcher's Chawl at Bandra Slaughter House.	3,081	...	The work will be taken in hand when materials are available.
96	Providing a W.P. at the temporary open air market in the Recreation Ground at Khetwadi 10th Lane.	921	...	Additional Provision made under C. R. No. 1064 of 8-12-1947.
97	Providing a W.P. with waste not tap in the Heads and Liver Section at Erskine Road Market.	548	...	Additional Provision made under C. R. No. 1901 of 18-11-1947.
98	Providing a W.P. for squatters at Tulsi Pipe Line, Dadar ...	954	...	The amount of the work has been made by reappropriation.
99	Constructing a temporary shed for mango dealers in Arthur Crawford Market.	4,410	4,202 0 0	The work has been completed.
	Grand Total ...	2,55,767	78,098 6 9	

APPENDIX 'B'

Statement showing the works provided in the year 1947-48 under special repairs,

Serial No.	Name of Work.	Amount of Estimate.	Expenditure booked during 1947-48.	Remarks.
		Rs.	Rs. a. p.	
1	Oil painting, distempering internally the 1st floor at Municipal Commissioner's Bungalow.	2,536	2,146 2 0	The work has been completed.
2	Widening the southern side entrance of Municipal Commissioner's Bungalow.	386	380 12 0	Do. do.
3	Making an ornamental W.I. Gate at Municipal Commissioner's Bungalow.	387	386 2 0	Do. do.
4	Oil painting and colour washing the Assessment Department Ward Office at Sankli Street.	999	698 0 0	Do. do.
5	Renewing the glazed window shutters in the small four towers in the Head Office.	1,010	609 3 0	Do. do.
6	Oil painting, varnishing and frensh polishing the walls, ceiling, wood work, etc., at Municipal Head Office.	3,056	2,881 15 0	Do. do.
7	Oil painting, varnishing and french polishing the Municipal Administrative Office.	4,941	991 15 0	Do. do.
8	Providing glazed window shutters in each opening of western verandah of Municipal Head Office.	1,874	1,235 11 0	Do. do.
9	Providing M.S. brackets to supports of the flat Arch of all the windows in the Victoria and Albert Msuseum.	2,275	1,563 0 0	Do. do.
10	Glazing to Victoria and Albert Museum	387	387 0 0	Do. do.
11	Repainting the walls and wood work in the office and white and colour washing to verandah and stair case etc., of Asstt. H. O. F and G Ward Office.	1,611	1,502 7 0	Do. do.
12	Strengthening and propping the trusees to avert any mishap and renewing the existing terrace etc. on the south side of Malaria Inspector's Office at Parel.	1,902	84 6 0	The work is in progress.
13	Renewing the old deteriorated terrace etc., at Malaria Inspector's Office at Parel.	836	...	The work will be taken in hand when materials are available.
14	Oil painting the walls and wood work in Wards Nos. 10 & 11, at Arthur Road Hospital.	10,590	9,616 9 0	The work has been completed.
15	Renewing the over-head storage tank at Arthur Road Hospital ...	389	341 2 0	Do. do.
16	Oil painting Ward No. 4 of Maratha Hospital	1,564	1,409 11 0	Do. do.
17	Oil painting Ward No. 5 of Maratha Hospital	1,237	1,114 3 0	Do. do.
	Carried forward ...	35,980	25,348 2 0	

Serial No.	Name of Work.	Amount of Estimate.	Expenditure booked during 1947-48.	Remarks.
	Brought over ...	Rs. 35,980	Rs. a. p. 25,348 2 0	
18	Repainting the verandah railing oil painting the wood work and painting the compound wall, etc., of Cadell Road Maternity Home.	839	607 4 0	The work has been completed.
19	White washing and colour washing the walls internally and externally of the Cadell Road Maternity Home.	251	233 3 0	Do. do.
20	Renewing the ceiling of the passage leading to the bath-room and W.C. in Nurses Quarters at Victoria Road.	1,057	596 0 0	The work is in progress.
21	White washing and colour washing dammering and tiling and replacing broken glass panes in the buildings in the compound of Turner Sanatorium.	1,202	401 6 0	Do. do.
22	Colour washing the walls and oil painting the woodwork, etc., of the Municipal Dispensary at Souter Street.	1,133	1,040 12 0	Do. do.
23	Renewing the T.W. glazed window shutters in the verandah of the T. B. Clinic at Foras Road.	373	288 2 0	Do. do.
24	Renewing the cement plaster over R.C.C. Hood, etc., at K.E.M. Hospital.	3,945	3,532 6 0	Do. do.
25	Providing and fixing canopies for the windows of New Nurses Quarters at K. E. M. Hospital.	7,206	5,361 13 0	Do. do.
26	Repairs to doors and door panes in the sanitary blocks, repairing the walls, wood-work, iron railings, etc., in O.P.D. at K. E. M. Hospital.	898	503 6 0	Do. do.
27	Oil-painting the walls and wood-work, etc., of the waiting shed near the dispensary at Parel.	653	310 13 0	Do. do.
28	Strengthening R.C.C. hoods, etc., at K. E. M. Hospital ...	16,077	16,077 0 0	The work has been completed.
29	Oil-painting the walls, iron works, etc., at K. E. M. Hospital ...	850	761 0 0	Do. do.
30	Repairing and renewing W.I. pale fencing, providing and fixing canopies etc., at the Lady Students' Hostel, G. S. M. College.	3,266	1,106 0 0	Do. do.
31	Distempering the walls, white washing the ceiling, etc., at the G. S. M. College.	3,776	904 0 0	The work is in progress.
32	Renewing the pavement in the passage and the compound of Arthur Road Chawls.	10,000	3,106 11 0	Do. do.
33	Renewing and fixing corrugated sheets, etc., at Dadar Main Road Stables.	1,088	997 12 0	The work has been completed.
34	Renewing the existing storage tank of the Public Urinals at junction of Grant Road Low-Level Road and cross lane.	15,58	...	The work will be taken in hand when materials are available.
35	Renewing the storage tank in the open chowk at H. D. Begarie Chawl at DeLisle Road.	1,268	...	Do. do.
36	Renewing the Shahebad stone flooring in various passages at A & B Blocks of Arthur Road Chawls.	853	...	Do. do.
37	Structural repairs to the wooden members supporting the roof of the Palton Road H. D. Stables.	31,517	...	Do. do.
38	Renewing in patches the C. C. verandah flooring wherever necessary of the Halalkhore Chawls at Sukhlaji Street.	779	715 12 0	The work has been completed.
39	Renewing the cement plaster of the automatic flushing tanks, etc., at Sukhlaji Street Halalkhore Chawls.	995	...	The work will be taken in hand when materials are available.
40	Repairing the existing blocks of washing place and adjusting water service pipe, etc., at Tardeo Halalkhore Chawls.	984	601 0 0	The work has been completed.
41	Reconstructing the 15 seated W. C. Block at Sukhlaji Street ...	9,690	...	The work will be taken in hand when materials are available.
42	Renewing 20 seated C.I. Sheet latrine block by brick masonry at Dharavi Koliwada.	10,463	...	Do. do.
43	Oil painting the wood work and colour washing the walls externally at Babula Tank.	365	322 9 0	The work has been completed.
44	Demolishing the existing cut-stone parapet wall and slab and providing R.C.C. slab over cofferdam at Worli Sluice Gate.	11,303	11,303 0 0	The work has been completed.
45	Renewing the whole flooring of the quarters of C. F. B. in Italian Style.	1,073	622 11 0	The work is in progress.
46	Renewing the flooring in hall and bathroom of C. F. B's Quarters.	1,314	...	The work will be taken in hand when materials are available.
47	Oil painting the wood work at Memonwada Fire Brigade Station.	220	211 12 0	The work has been completed.
48	Removing and refixing the existing staircase, etc., at the Mandvi Fire Brigade Station.	799	...	The work will be taken in hand. when materials are available.
49	Renewing the existing blue stone pavement with C. C. slab in the Engine Room of Gowalia Tank, Fire Brigade Station.	1,321	...	Do. do.
50	Providing flooring of Tandur stone slabs in place of wooden plank flooring, etc., in the 2nd Officer's Quarters at Byculla Fire Brigade Station.	1,719	795 2 0	The work is nearing completion.
51	External and internal painting including plaster patches to S. G.'s Quarters in Victoria Gardens.	4,303	3,806 11 0	The work has been completed.
52	General repairs to S.C.'s quarters...	1,284	991 14 0	The work is in progress.
53	Repairing the tank with its surrounding pavement near Bullocks, Stable in Victoria Gardens.	491	324 10 0	Do. do.
54	Repairing the pipe railing of the compound at Mori Road	353	57 14 0	Do. do.
55	Painting the pale fencing, etc., at Cyrus Avenue, Agripada ...	541	518 6 0	The work has been completed.
56	Reconstructing the collapsed portion of the masonry compound wall of the chawpatty market at the foot of the Malabar Hill.	10,157	4,237 6 0	The work is in progress.
57	Repairing the mutton stalls in Erskine Road Market ...	2,341	1,795 2 0	Do. do.
58	Improving the existing drainage arrangements in the Sheep Market at DeLisle Road.	816	547 0 0	Do. do.
59	Oil painting S. A.'s Quarters at Bandra Slaughter House ...	1,732	937 13 0	Do. do.
60	Oil painting the walls and wood work, etc., of M. E.'s Office Building.	578	223 1 0	Do. do.
	Grand Total ...	1,87,411	89,187 5 0	

APPENDIX 'C'

Statement showing the works provided in the year 1947-48 under Loan Works

Serial No.	Name of Work.	Amount provided during 1947-48.	Expenditure booked during 1947-48.	Remarks.
		Rs.	Rs. a. p.	
	I.—General Supervision, Collection of Revenue, etc.			
1	Extension of Municipal Head Office Building	25,000	...	Detailed plans and estimates are approved by the Corporation. Tenders will be invited shortly.
	III.—Education, Primary.			
2	Construction of School Buildings	1,50,000	...	Plans and estimates for the construction of school buildings at Suparibaug Estate have been approved by the Corporation. Tenders will be invited shortly.
	V.—Public Health Department.			
3	Extension of Hindu Cemetery No. 74 at Worli	1,000	...	Site for the cemetery is selected Plans and estimates are submited to the Corporation for approval.
	VI.—Medical Relief and Education.			
4	Construction of Anti-Tuberculosis Clinic	1,000	...	Site for the clinic is selected. Plans and estimates will be prepared shortly.
5	Construction of Administrative Block etc., at Turner Sanatorium.	50,000	...	Plans and estimates are approved. Work is deferred for the present.
6	Construction of a gangway at the Nair Hospital	8,984	3,578 0 0	Work in pogress.
7	Additions and alterations to hutments at the Municipal Group of Hospitals, Sion.	1,67,246	1,52,180 8 0	First set of work already complete. The second set of works nearing completion and the further series of works will be taken up very early in 1948-49.
8	Construction of a covered Badminton Court and a Canteen for the students of the Seth G. S. M. College, Parel	53,934	...	Lowest quotation has been recommended to the S. C. for acceptance and work will be started soon during 1948-49.
9	Works at the Municipal Group of Hospitals, Sion ...	72,383	...	Do. do. The work will be undertaken very soon in 1948-49.
10	Additions and alterations in ward (No. T. 68), into quarters for Medical Superintendent, A. M. O., etc. at Municipal Group of Hospitals, Sion.	26,510	...	Do. do.
11	Do. do. do. at Nair Hospital ...	1,00,000	...	Do. do.
	VII.—Street Cleansing, Conservancy, Road Watering and Halalkhore Service.			
12	Construction of Public Conveniences in different parts of the City.	60,000	13,908 1 0	P.Cs. at Charni Road Gardens, Jacob Circle, Machavrao Rokade Street and Ghodapdeo (Narielwadi) are in progress. P.Cs. at Sion Circle, Sewri, Tank Bunder are completed.
	IX.—Mechanical.			
13	Provision of W. C. block for the convenience of labour staff, etc., at the Municipal Workshops.	2,313	...	Work is not undertaken by the contractors in spite of several reminders. Further action is being taken.
14	Providing office accommodation at Dadar Purification Works ...	16,000	...	Lowest quotation for the work has been accepted by the S. C. The work will be started soon.
	X.—Buildings, Land Acquisition and Management.			
15	Construction of R.C.C. staircase at Mahalaxmi overbridge ...	11,373	...	Lowest quotation has been commended to the S. C. for acceptance and work will be started soon during 1948-49.
	XI.—Fire Brigade.			
16	Construction of a part of the proposed Fire Brigade Station at Worli.	69,000	...	Plans and estimates for the work are submitted to the Corporation for approval.
	XIV.—Markets and Slaughter Houses.			
17	Works of (1) renewing side walls of open channel drain, (2) providing concrete pavement around butchers' chawls and (3) constructing shed for stabling cattle in the compound of Bandra Slaughter House.	367	...	Major work completed. The work of renewing the side walls of the open channel is proposed to be deferred for the present.
18	Remodelling Mutton Section at Arthur Crawford Market ...	30,000	...	Work has been deferred for the present.
19	Construction of stalls at Gold Mohur Castle Market at Byculla.	378	...	Do. do.
20	Construction and Improvement of Markets	10,000	...	The question of composite markets at (1) Arthur Crawford Market and (2) Gold Mohur Castle Market is under consideration. Plans and estimates for the extension of fish section at A. C. Market are approved by the Corporation.
21	Extension of the mango shed at Arthur Crwaford Market. ...	21,589	...	Lowest quotation has been recommended to the S. C. for acceptance and work will be started soon during 1948-49.
	Total Rs. ...	8,68,077	1,69,666 9 0	

APPENDIX 'D'

List of regular lines of streets prescribed or proposed to be prescribed or revised and lay-out of new roads, to suit the requirements of modern traffic.

(1) Prescribing curve at the junction of Hospital Lane and Mahatma Gandhi Road.
(2) Prescribing 20' regular line on Pitha Cross Lane.
(3) Prescribing regular line on the East side of Lamington Road (North) between Club Road and its junction with Arthur Road.
(4) Prescribing regular lines at the junction of Morland Road and Sankli Street and 60' radius curve at Northern junction of Reynolds Road and Morland Road and 20' radius on the Southern junction of Reynolds Road and Morland Road.
(5) Prescribing regular line on Chinchpokli Road between Albert Road and Kalachowky Road.
(6) Prescribing 40' regular line on Gowalia Tank Cross Lane between Gowalia Tank Road and Alexandra Road.
(7) Prescribing regular line on Dhobi Talao 3rd Lane (Hamal Wadi).
(8) Prescribing Curve on the East side of Lamington Road (South) at its junction with Grant Road.
(9) Prescribing curve at the junction of Cooperage Road and Mayo Road on property bearing C. S. No. 29.
(10) Prescribing 20' regular line at Muttar Gully.
(11) Prescribing 80' regular lines of Harvey Road from Chowpati to Gamdevi Road and Gamdevi Road to Gowalia Tank Road.
(12) Prescribing regular lines at Tata Mills Compound and on South side of New Parbhadevi Road opposite Crown Mills.
(13) Prescribing regular line at Gowalia Tank between Gowalia Tank Road and Tejpal Road.
(14) Prescribing 20' wide regular lines on Matharpakhadi Lanes.
(15) Prescribing regular line at Police Court Lane on C. S. Nos. 832, 883, 886 and 888 and curve on C. S. Nos. 899 to 903.
(16) Prescribing 40' regular line on Bhajekar Street between Sandhurst Road and Khetwadi Main Road.
(17) Prescribing regular line at Carnegy Road to widen it to 60'.
(18) Prescribing regular line at Church Gate in front of B. B. & C. I. Offices on the garden.
(19) Prescribing regular line at Babulnath Road between Hughes Road, Dadyseth Road and Chowpaty.
(20) Revising regular lines of Hospital Lane between Mahatma Gandhi Road and Marine Lines.
(21) Revising regular lines of Lamington Road between Bellasis Road and Club Road to 150' and from C. S. Nos. 193 and 195 opposite Club Road to Arthur Road to 120' wide.
(22) Revising regular lines on Hermitage Pass, Peddar Road, Altamount Road and Gowalia Tank Road
(23) Revising regular lines at Parel Village reducing the widths from 40' to 12', 15', 20' and 30' varying at several places and 30' line on Parel Village Road.
(24) Revising regular lines on Mount Road (West Side) from Victoria Road Northwards in front of C. S. No. 593.
(25) Revising regular lines of Pitha Street Northwards at its junction with Ghoga Street from C. S. No. 484 to 486 on East side and C. S. Nos. 687 to 691.
(26) Revising regular lines of proposed Foras Road (Fitwala Road) at its junction with Tulsi Pipe Line.
(27) Revising regular Lines of (1) Harischandra Goregaokar Road between French Road and Gamdevi Road (2) French Road at its junction with Hughes Road.
(28) Revising regular-line of Proctor road between Vithalbhai Patel Road and Grant Road.
(29) Revising regular line of Elphinstone Road from its junction with Supari Baug Road to its junction with DeLisle Road and Gokhale Road South.
(30) Revising regular lines of Gowalia Tank Road between Nana's Chowk and Gowalia Tank.
(31) Revising regular line on Tardeo Road from its juncton with Gowalia Tank Road and Sleater Road, on Manekji Petit Mills property and then to its junction with Clerk Road and Bhulabhai Desai Road.
(32) Revising regular line of Chinchpokli Cross Lane from its junction with Ghorupdeo Road Eastwards to a distance of 250 feet.
(33) Revising regular line on Hamal Street between Pestonji Street and Bora Cross Lane.
(34) Revising regular line at the junction of Bhawani Shankar Road, Dadar Road, Lady Jamshedji Road and Portuguese Church Street.
(35) Revising regular line of Dongersey Road between C. S. Nos. 186 and 198 at its Southern end and C. S. Nos. 194-196 at its Northern end.
(36) Revising regular lines of Bake House Lane between Forbes Street and Rampart Row.
(37) Revsing regular lines of 60' Ranade Road between Cadell Road and Mahim foreshore.
(38) Revising regular lines of Benam Hall Lane between Girgaum Road and Vithalbhai Patel Road.
(39) Proposed Promenade along Mahim Foreshore from Worli Fort to Mahim Fort.
(40) Proposed new road in continuation of Globe Mill Passage between DeLisle Road and Tulsi Pipe Line.
(41) Proposed 40' road joining Pimpalwadi Cross Lane and Khattarali Lane.
(42) Proposed 80' Promenade from Tardeo Flat to Hornby Vellard Road.
(43) Proposed 150' Road Line on Tulsi Pipe Line Land from Haines Road to Mori Road.
(44) Proposed 50' Road from Dadar Road Southwards joining another 50' Road.
(45) Proposed 100' Road between Lady Jamshedji Road and Tulsi Pipe Line.
(46) Proposed 40' new Road between Tribhuwan Road and Bangadwadi off Vithalbhai Patel Road.
(47) Revised Scheme plan of Scheme No. 57 with 130' regular lines on Roads Nos. 30 and 15.

APPENDIX 'E'

Summonses issued against the house-owners under various Sections of the Municipal Act, with the result shown in the following statement.

Section of the Act.	No. of prosecutions.	No. of cases withdrawn or complied with.	No. of cases in which the parties were warned and discharged.	No. of Convictions.	No. of postponements.	Amount of Fine.
						Rs. a. p.
229A ...	2	1	...	1	...	15 0 0
231 ...	52	25	...	12	15	255 0 0
257 ...	163	96	...	25	42	463 0 0
258A ...	2	2	...	...	...	...
258(c) ...	8	1	...	...	7	...
259A ...	5	3	...	1	1	10 0 0
297(3) ...	3	1	...	2	...	30 0 0
298 ...	1	1	...	...	...	...
308 ...	166	33	...	34	99	692 0 0
326 ...	1	...	...	...	1	...
329 ...	2	1	...	...	1	...
337 ...	305	94	...	73	138	2,851 3 0
342 ...	194	70	...	49	75	2,020 0 0
347 ...	2	1	...	1	...	75 0 0
347A ...	25	12	...	4	9	55 0 0
349 ...	35	11	...	16	8	242 0 0
353 ...	24	5	...	8	11	610 0 0
353A ...	122	30	...	34	58	2,749 0 0
354 ...	519	159	...	44	316	2,523 8 0
356 ...	2	2	...	...	...	...
377(A) ...	25	15	...	7	3	190 0 0
383 ...	3	3	...	...	...	...
507(3) ...	125	2	...	25	98	100 0 0
Grand Total ...	1786	568		336	882	12,880 11 0
Add—The amount	of fines of old	postponed cases dur	ing 1947-48		...	5,607 13 0
					Total ...	18,488

APPENDIX 'F'

Five years summarised data of Dadar Purification Works.

Serial No.	Particulars.	1943-44.	1944-45.	1945-46.	1946-47.	1947-48.
17	Sewage treated in million gallons ...	4,558.11	4,057.48	3,753.88	3,648.04	3,361.76
27	Grit and the screen removed in cubic feet.	1,12,228	1,20,010	1,06,787	77,582	84,800
37	Digested sludge removed in gallons...	1,700,000	2,400,000	2,600,000	2,000,000	2,260,000
47	Sludge to the Digestion tank in gallons	18,020,000	18,250,000	18,250,000	15,500,000	17,450,000
57	Total gas generated in cubic feet ...	22,649,700	22,907,920	20,868,100	1,59,3300	12,615680
67	Electric units consumed in K.W.H.	739,743	910,110	921,450	747,470	745,904
77	Electrical expenses	40,090	38,405	30,412	30,904	...
87	Total cost of maintenance ...	124,834	124,092	109,065	128,942	...
97	Gas supplied to K.E.M. Hospital and other hospitals, Institutions and staff quarters in cubic feet.	7,929,600	10,142,450	12,845,700	1,190,900	800,300
107	Income from gas supplied to hospitals, Institutions and staff quarters in Rupees.	Rs. a. p. 24,234 0 0	Rs. a. p. 30,357 3 0	Rs. a. p. 39,197 10 0	Rs. a. p. 4,767 5 0	Rs. a. p. 3,274 11 6

APPENDIX 'G'

INSPECTION OF FACTORIES, WORKSHOPS AND WORK PLACES.

The following table shows the number of new proposals for permits and licenses received and recommended number of nuisance cases attended to and action taken under Section 392 of the Municipal Act :—

Ward	New proposals for		Recommended		Factories working without permits.	Nuisance cases.	Notices issued under Section 392.
	Permits	Licenses	Permits	Licenses			
A & B	54	6	54	6	..	3	..
C & D	94	6	94	6	..	4	..
E	119	8	119	6	..	2	..
F & G	115	13	115	13	..	..	..
	382	33	382	33	..	9	..

Total number of permits and license cases inspected and disposed of during the year 1947-48 was 415.
Nuisance cases were attended to and necessary steps taken.
Surprise visits were also paid to several factories to find if these were permitted or otherwise.
Total number of cases inspected during the year 1947-48 was 424.
Each factory, workshop and work-place was inspected on more than three occasions.

APPENDIX 'H'

Statement showing road, footpath, drainage and sewer works executed by contract during 1947-48.

Serial No.	Name of Work.	Name of Contractor and Standing Committee Resolution No.	Contract amount.	Actual expenditure including establishment charges during 1947-48.	Total expenditure upto 31st March 1948.	Remarks.
			Rs.	Rs.	Rs.	
1	Construction of sewer of 36" diameter at Fergusson Road from the toe of the Bridge to Tulsi Pipe Line Road.	Messrs. D.K. Matiwala & Co. S.C.R. No. 124 of 25-4-1945.	1,51,368	60,281	1,72,432	Incomplete.
2	Construction of a 36" diameter sewer in Tulsi Pipe Line Road from the proposed Pumping Station at Fergusson Road to 42" sewer in Haines Road.	Messrs. Gagrat & Co. ... S.C.R. No. 474 of 18-7-1945	1,38,174			
3	Widening the existing Kelewadi Lane to 20' and extending it to meet Queen's Road just in front of Charni Road Railway Station.	Mr. Abdeally S. Shaikh Adam S.C.R. No. 175 of 9-5-1945	25,835	1,042	11,812	Do.
4	Construction of pipe and masonary dhapas S.W. drains in Bhoiwada Road.	Messrs. Mangatram Construction Co. S.C.R. No. 1223 of 6-11-1946	41,129	34,150	34,328	Complete. Accounts to be adjusted.
5	Renewing the road surface with 6" c.c. slab at King's Circle.	Messrs. Poonja Champsi & Co. S.C.R. No. 1828 of 24-1-1947	55,434	50,214	50,296	Do.
6	Providing a strip of 6" (1 : 3 : 6) c.c. foundation for Asphalt carpet and 6" c.c. pavement along south side of east and west approach of Victoria Bridge.	Messrs. Nagji Narsi & Bros. S.C.R. No. 2235 of 26-3-1947	39,640	32,583	32,634	Incomplete.
7	Providing s.w. drains in Nakhoda Street and Old Bengalpura Street.	Messrs. D.K. Matiwala & Co. S.C.R. No. 1107 of 15-10-1947	22,172	6,790	6,790	Work in progress.
8	Providing a 42" diameter Hume Pipes s.w. drain from the Sewri Road Police Station to the junction of Reay Road.	Mr. Tilak A. Shah ... S.C.R. No. 1320 of 19-11-1947	20,693	105	105	Started recently.
9	Covering up the open storm water channel on the east side of Warden Road, etc. Laying 15"×18" s. w. drains in Warden Road.	Messrs. Nagji Narsi & Bros. S.C.R. No. 1776 of 17-1-1947	24,028	12,234	15,327	Incomplete.
10	Laying a 27" pipe sewer at Victoria Gardens Road from Victoria Road to Gardens Bridge.	Messrs. Universal Construction Co. S.C.R. No. 223 of 7-5-1947.	88,642	36,848	36,848	Work in progress.
11	Providing a wearing surface along 'Y' Road, North and South off Lady Jamsheeji Road.	Messrs. Damji Shivji & Co. S.C.R. No. 1109 of 15-10-1947	34,371	24,956	24,956	Do.
12	36" Gravitation sewer along the open channel drain from 1,400 R.ft. south of Lady Hardinge Road to the covered drain bey and Mahim oopline.	Messrs. Nagji Narsi and Bros. S.C.R. No. 1646 of 17-1-1945	1,29,818	8,109	1,20,960	Complete. Accounts to be adjusted.
13	Paving footpath along Lady Jamshedji Road.	Messrs. Poonja Champsi & Co. S.C.R. No. 667 of 23-3-1947.	1,61,826	68,906	68,906	Work in progress.
14	Cement concreting the carriagway of Sion Road (west side) from King,s Circle to Road No. 13.	Messrs. Poonja Champsi & Co. S.C.R. No. 464 of 18-6-1947.	1,58,091	46,932	46,932	Do.
15	Providing c.c. pavement at Mahim Causeway.	Mr. Tilak S. Shah, S.C.R. No. 811 of 22-8-1947.	37,797	33,513	33,513	
16	Construction of a building for housing the Standby electric generating plant at Dadar Purification Works.	Messrs. Lallubhai & Co. S.C.R. No. 236 of 31-5-1946.	40,911	4,762	45,994	Complete.
		Total ...	...	4,35,109	7,13,026	

APPENDIX 'I'

Statement Showing Road, Drainage and other Works carried out Departmentally during 1947-48.

Serial No.	Name of Work.	Actual expenditure including Establishment charges during 1947-48.	Total expenditure upto 31st March 1948.	Remarks.
		Rs.	Rs.	
	Mahim Park.			
1	(a) Filling in Depressions and levelling at Shivaji Park	...	19,230	Complete.
	(b) Providing s.w. arrangements at Shivaji Park	6,947	17,955	Incomplete
	(c) Providing public conveniences at Shivaji Park	625	1,250	Do
	Hornby Road to Ballard Pier Road.			
1A	Concreting Parsi Bazar Street opposite Bengali Girls' School	...	3,676	Complete.
	Mahalaxmi Ooverbridge Scheme.			
2	Construction of Maruti Temble in Arch No. 8 of Mahalaxmi Overbridge ...	621	621	Incomplete.
	Mahim Development Scheme.			
3	(a) Construction of 50' road on the North plot Nos. 11, 12, 13 and 23 N.S. No. 1402 with sewerage and S.W. drainage arrangements, pavements or footpaths and lighting in Mahim Development Scheme No. VII. ...	...	...	Do.
		...	...	Do.
	(b) Providing S.W. drain and cement concreting 20' passage leading to Bal Govindas wadi off 'Y' Road in Mahim Development Scheme No. VII.	...	...	Do.
	Conrtruction of water gullies on various roads in the City.			
4	(a) Providing new type of water entrances in place of old perforalid ones at Kalbadevi Road	...	...	Complete.
	(b) Providing new type of water entrances in place of old perforalid ones at Knandia Street.	261	975	Incomplete
	(c) Construction of water gullies at Huzria Street	209	209	Do.
	(d) Do. do. Undria Street	1,210	2,059	Do.
	(e) Do. do. Mastan Tank Cross Lane ...	206	206	Do.
	(f) Do. do. Temkar Street	1,790	1,790	Do
	(g) Do. do. Sk. Buran Kamruddin Street ...	60	60	Do.
	(h) Do. do. Tank Street	3,152	3,152	Do.
	Renewal of old masonry S.W. Drains in the City.			
5	(a) Renewal of S. W. drain along Pydhonie Road at its junction with Mahomed Alli Road and Memonwada Road	965	16,257	Complete, Accounts to be adjusted.
	(b) Renewing masonry S.W. drain along Bapty Road between Falkland Road and Arab Lane	1,612	28,919	Do. do.
	Renewing or remodelling the old subsidiary S.W. Drains in the City.			
6	(a) Laying S.W. Drain at Samuel Street	1,806	55,331	Incomplete
	(b) Do. do. Khoja Street	...	8,152	Complete.
	(c) Do. do. Garibdas Street	...	6,622	Do
	Works in connecton with removalof the surcharged condition of Sewers in the City.			
7	Construction of 42" pipe sewer in Arthur Road between DeLisle Road and Jacob Circle (Providing Penstock)	...	4,377	Do.
	Renewal of surfaces of roads for which no renewal funds exist.			
8	(a) Providing 10' c.c. strip on either side of Lady Jamshedji Road from Woolen Mill Lane to Mahim Bazar Cross Road	11,607	67,305	Incomplete.
	(b) Providing 4" c.c. slab at Glob Mill Passage	29,341	30.098	Do.
	(c) Providing 4" c.c. slab at Portuguese Church Street junction Gokhale Road.	...	25	Do.
	(d) Renewing the surface of a portion of Dhobi Talao Junction	...	9,543	Complete.
	(e) Renewing the surface of a portion of Bori Bunder Junction	...	4,757	Do.

Serial No.	Name of Work.	Actual expenditure including Establishment charges during 1947-48.	Total expenditure upto 31st March 1948.	Remarks.
		Rs.	Rs.	
	Providing Traffic amenities such as ;—			
	(b) Traffic Islands.			
1	(a) Construction of traffic island at the junction of Arthur Road and Parel Chawl Road	...	1,153	Incomplete.
	(b) Channelising island at the junction of Forgett Street and Tardeo Road ...	...	802	Do.
	(c) Channelising island at the junction of Fort Street, Hornby Road, etc. ...	...	1,041	Complete.
	(d) Construction of traffic island at the junction of Love Grove Road, Fergusson Road, Haines Road and Road leading to B.D.D. Chawls	546	1,958	Incomplete.
	(e) Construction of traffic island at Mahim Chowk	4,536	6,254	Do.
	(f) Construction of traffic island at Wellington Fountain	3,099	5,160	Do.
	(g) Construction of traffic island at the junction of Clare Road and Bellasi sRoad	69	69	Incomplete
	(h) Construction of traffic island at the junction of Dharavi Road and Sion Agra Road	206	206	Do.
	(i) Traffic island at Parel Road Olivant Bridge junction Shephard Road ...	237	237	Do.
	(j) Traffic island at the junction of Mazagaon Road and Dockyard Road ...	300	300	Do.
	(k) Do. do. Dockyard Road and Reay Road ...	120	120	Do.
	(l) Do. do. Warden Road and Peddar Road ...	223	223	Do.
	(m) Do. do. Katrak Road	1,339	1,339	Do.
	(n) Do. do. Lamington Road	25	25	Do.
	(o) Do. do. Babulnath Road	18	18	Do.
	Filling in certain low lying lands in the City.			
10	(a) Filling in low lying land at Dhobiwada	...	12,888	Incomplete.
	(b) Filling in both sides of the open drain between Dadar and Elphinstone Road.	9,131	9,131	Do.
	(c) Do. do. do. Mahim Bazar Cross Road ...	...	...	Do.
	Construction of footpaths where no footpaths exist.			
11	(a) Construction of footpaths including S.W. Drains at Gowalia Tank ...	17,626	39,276	Incomplete.
	(b) Do. along Lamington Road between Grant Road and Tribhuvan Road.	...	17,642	Complete.
	(c) Providing the 2" precast slabs on 3" c.c. footpath at Tardeo Road (including water Gullies)	3,618	3 618	Incomplete.
	Renewal of surfaces of roads taken over for Ex-Trust.			
12	(a) Renewing the surface of Victoria Gardens Road from Babula Tank Road to Clare Road	72,348	72,348	Incomplete.
	(b) Renewing the surface of Byculla Bridge junction with 3" sheet Asphalt ...	3,604	3,604	Do.
	(c) Renewing the surface of Victoria Gardens Road from Babula Tank Road to Clare Road with 3" sheet Asphalt	93,990	93,990	Do.
	Laying sewers in certain roads in the City where no sewers exist.			
13	(a) Laying 9" pipe sewer in Mahalaxmi Street	2,079	5,652	Incomplete.
	(b) Do. do. Sewri Cemetery Road	...	12,132	Complete.
	(c) Laying sewer in Tulsi Pipe Line Road	238	238	
	Providing S. W. Drains in certain roads in the City where no S. W. Drains exist.			
14	(a) Laying S. W. drain in Shenvi Wadi	2,217	8,386	Incomplete.
	(b) Laying S. W. Drain at Tukaram Jawaji Road	1,344	6,448	Do.
	Permanent construction of narrow bye lanes in the City.			
15	(a) Concreting and providing manholes on S. W. drain at Falkland Road ...	...	3,638	Incomplete.
	(b) Concreting Jehangir Daji Cross Lane	5,955	5,955	Do.
	(c) Concreting of narrow bye-lanes in Laxmi Narayan Lane	9,171	9,171	Do.
	(d) Concreting Nawab Tank Cross Lane	2,068	2,077	Complete. Accounts adjusted.
	(e) Concreting Shrikhandi Lane	1,202	3,400	Do.
16	*Providing protective works and repairs to Storm water outfalls in the Mahim Bay.*	5,645	8,733	Incomplete.
17	*Cement concrete encasing to the gurders of the final settlement Tanks at Dadar Purification Works and guniting Areation Tanks and C. F. S. Tank.*	206	6,426	Complete.

Serial No.	Name of Work.	Actual expenditure including Establishment charges during 1947-48.	Total expenditure upto 31st March 1948.	Remarks.
		Rs.	Rs.	
	Measures for relieving flooding in the City.			
18	(*a*) Providing a relief s. w. drain in New Foras Road	25,523	27,443	Incomplete.
	(*b*) Remedial measures for stopping flooding at Wadi Bunder Road ...	9,744	9,744	Complete. Accounts to be adjusted.
	(*c*) Providing water entrances at Connought Road	406	406	
	(*d*) Do. do. Khetwadi Main Road	926	926	
	(*e*) Do. do. Jackeria Bunder Road	60	60	
	(*f*) Do. do. Reay Road junction Gorupdeo Road ...	305	305	
	(*g*) Do. do. Souter Street junction Lamington Road ...	1,472	1,472	
	(*h*) Do. dol Sukhlaji Street between Bapty Road and Grant Road.	60	60	
	(*i*) Do. do. Victoria Gardens Road junction Babula Tank Road.	315	315	
	(*j*) Do. do. Gowlia Tank Roa d junction Raghoji Road	898	898	
	(*k*) Do. do. Hughes Road	267	267	
	(*l*) Do. do. Queen's Road	...	...	
	(*m*) Do. do. Sion Road	...	...	
	(*n*) Do. do. Bhawani Shankar Road	1,246	1,246	
	(*o*) Do. do. Lady Jamshedji Road	305	305	
	Renewing the old air and sealed sewage mains in the City.			
19	(*a*) Renewing 4" air main of a Gamdevi Ejector from its junction with Nepean Sea Road and Warden Road ...	11,415	31,167	
	(*b*) Renewing the 15" s. s. main in Chinchpokli Road	5,430	5,430	Complete. Accounts to be adjusted.
	(c) Renewing 9" s. s. main of Gamdevi Ejector	...	...	Incomplete.
	(*d*) Renewing 12" s. .s. main at Warden Road	...	22,746	Do.
20	*Construction of the proculator Tank at Dadar Purification*	523	22,545	Complete.
21	*Renewing 15" sealed sewage main of DeLisle Road Ejector*	4,482	44,131	Incomplete.
	Construction of drains and fillinas storm water channel from Fergusson Road to Haines Road.			
22	Easing the slope of the palating of the oepn channel at the junction of the old and new channel at Haines Road	2,780	10,651	Do.
	Measures for Civil Defence Purchase of stores and equipment.			
23	Laying 4" C. I. pipeline for conveying gas to the standby electric generating plant at Dadar Purification Works	3,327	6,119	Do.
	Remarking roads in accordance with demands of heavy traffic.			
24	(a) Renewing the road surface at Khodadad Circle	13,416	45,789	Do.
	(*b*) Do. do. Poibavdi Junction	13,747	13,747	Do.
25	*Street improvements in different places Sett-backs*	23,893	23,893	
26	*Drainage connections in different parts of the City*	43,854	43,854	
27	*Constructing a pucca retaining wall at the toe of Walkeshwar Road supporting the embankment*	681	681	Incomplete.
28	*Constructing half width of carriageway with a katcha footpath on the west side of T. P. Lines between Dadar Main Road and D. P. Works*	20,000	20,000	
29	*Filling and pitching the sides of Dharavi Road to prevent damage done to road by the action of sea waves*	595	595	
	Total ...	4,91,720	9,63,009	

APPENDIX 'J'.

Statement showing footpath works carried out departmentally during 1947-48.

Serial No.	Name of Work.	Mode of Construction.	Actual Expenditure including Establishment charges during 1947-48.	Total Expenditure upto 31-3-1948.	Remarks.
			Rs.	Rs.	
1	Paving the footpath along the west side of Lady Jamshedji Road from the junction of Babumiya Lane upto Mahomed Chotani Road	Blue Stone Pavement	660	21,873	Complete.
	Do. do. east side	Do. do. ...	210	16,122	Do.
2	Paving footpath at Arthur Road	Do. do. ...	18,867	18,867	Wokr in progress
3	Paving footpath at Tardeo Road, west side from its junction with Hornby Vellard	Do. do. ...	4,426	4,426	Do.
4	Paving footpath at Jacob Circle	Do. do. ...	10,096	10,096	Do.
5	Paving footpath at Lamington Road	Do. do. ...	3,114	3,114	Do.
6	Paving footpath at Parsi Bazar Street	Do. do. ...	2,332	2,332	Do.
7	Paving footpath at Mount Road	Do. do. ...	3,916	3,916	Incomplete.
8	Paving footpath at Parsi Bazar Street opposite Bengali Girls' School	Do. do. ...	672	672	Work in progress.
	Total ...		44,293	86,318	

APPENDIX 'K'.

Statement of works carried out departmentally in different ex-Trust schemes during 1947-48 Budget 'B.'

Serial No.	Description of the Work.	Sanctioned Amount.	Expenditure during 1947-48. (Booked).	Total Expenditure upto 31st March 1948.	Remarks.
		Rs.	Rs.	Rs.	
1	Filling in the open S.W Drain infront of Plot Nos. 1 and 2 Schedule 'W' Lane	6,629	2,579	2,579	Incomplete.
2	Construction of Road No. 20 with drainage and lighting arrangements	39,837	7,020	28,792	Do.
3	Construction of Road No. 15 between Roads Nos. 30 and 29 including drainage and lighting arrangements	34,384	13,714	27,427	Do.
4	Construction of Road No. 25 between Roads Nos. 6 and 19 including drainage and lighting arrangements ...	50,698	8,938	27,810	Do.
5	Construction of Road No. 32 between roads Nos. 16 and 20 including drainage and lighting arrangements	56,360	1,345	51,824	Do.
6	Laying out kerb stones including drainage and lighting arrangements for Road No. 30	92,019	1,934	57,670	Do.
7	Construction of Road No. 31 including drainage and lighting arrangements	86,851	3,126	75,591	Do.
8	Construction of Road No. 24B including drainage and lighting arrangements	11,614	43	6,471	Do.
9	Construction of Road No. 25B including drainage and lighting arrangements	18,788	9,759	17,088	Complete.
10	Construction of Road No. 31A including drainage and lighting arrangements	90,933	27,834	50,841	Incomplete.
11	Construction of 40' road (extension of Road No. 20) including drainage and lighting arrangements	86,624	613	20,596	Do.
12	Construction of 15' passage between Roads Nos. 31 and 31A ...	5,966	606	4,541	Do.
13	Cutting and levelling the area to the east of Sion Fort for the proposed cremation ground and plot for industry and levelling and filling in the site of the playground in front of R. C. Cemetery	1,08,643	27,598	1,00,579	Do.
14	Cutting and levelling of the land between roads Nos. 28 and 29.	3,74,636	13,699	13,699	Do.
	Scheme No. 52—Worli.				
15	Concreting 40' road No. 11 between Roads Nos. 100' Worli Road and Road No. 5B	33,568	9,929	25,719	Do.

Serial No.	Description of the Work.	Sanctioned amount. (Booked).	Expenditure during 1947-48 March 1948.	Total expenditure upto 31st	Remarks.
		Rs.	Rs.	Rs.	
	Scheme No. 57—Sewri-Wadala.				
16	Laying of a main graviation sewer in Sewri-Wadala area ...	1,02,547	12,401	33,766	Incomplete.
17	Construction of Road No. 15 from the junction of Roads No. 4 to Road No. 18 and from the junction of Kingsway to the junction of road No. 4 including drainage and lighting arrangements	1,01,666	39,609	75,365	Do.
18	Construction of Road Nos. 1, 1A and 10 between the existing Matunga Road the proposed roads Nos. 14A and the junction of roads Nos. 10, 14A and 15 including lighting and drainage arrangements	78,378	600	6,7540	Do.
19	Construction of roads No. 26 including drainage and lighting arrangements	63,195	3,094	3,094	Do.
20	Construction of Road No. 7 to the south of the Khalsa College including drainage and lighting arrangements	115,251	700	14,799	Do.
21	Construction of Road No. 7A including drainage and lighting arrangements	45,526	2,404	14,502	Do.
22	Construction of Road No. 18 including drainage and lighting arrangements	92,074	13,660	21,610	Do.
23	Construction of Road No. 17A	1,4680	1,920	12,370	Do.
24	Providing sewerage arrangements in Katrak Road and Matunga Road	92,836	6,354	91,132	Complete.
25	Construction of Road No. 23 including drainage and lighting arrangements	73,077	6,597	26,034	Incomplete.
26	Construction of Road No. 24, including drainage and lighting arrangements	1,07,905	21,448	22,682	Do.
27	Filling in low lying land between Road Nos. 21, 23, 33A and 37.	92,836	1,287	68,371	Do.
28	Filling in ditches and depressions behind Old Laxmi Mills ...	9,526	263	263	Do.
	Scheme No. 58—Worli Extension.				
29	Providing sewers in the proposed road to the east of Worli Hill.	42,316	30,000	31,023	Do.
	Total ...		2,80,074	9,94,078	

APPENDIX 'L'

Statement of works carried out by contract in different Ex-Trust Scheme during 1947-48, Budget (B).

Serial No.	Description of Work.	Name of Contractor.	Contract amount (tendered amount).	Actual Expenditure including Establishment charges during 1947-48. (Booked).	Total Expenditure upto 31st March 1947.	Remarks.
			Rs.	Rs.	Rs.	
1	Construction of 4'-8" × 7'-0" all concrete avoid sewer from manhole No. 3 to manhole No. 19 on the line A-B of Dharavi outfall Scheme.	Messrs. New United Construction & Engineering Co., Ltd. S.C.R. No. 1552 of 25-1-46.	2,77,607	79,871	79,871	Incomplete
2	Excavation of trenches for the construction of an avoid sewer in the proposed 100' Road, Road No. 15, Scheme No. 57, Sewri Wadala.	Messrs. Prabhat Construction Co., Ltd.	43,415	4,407	27,567	Do.
		Total ...		84,278	1,07,438	

APPENDIX 'M'

Statement showing classification of roads and footpaths together with mileage and areas maintained during the year 1947-48.

Serial No.	Kind of Road.	Mileage at the Beginning of 1947-48.	Mileage at the Ending of 1947-48.	Total area at the Beginning of 1947-48.	Total area at the Ending of 1947-48.	Area repaired during 1947-48.	Expenditure for repairs and maintenance in the year 1947-48.	Average per 100 sq. ft.	Remarks.
				Sq. yds.	Sq. Yds.	Sq. Yds.	Rs. a. p.		
1	Water Bound Roads ...	5.590	5.265	99,250	89,512	13,884	18,494 9 3	14.66	
2	Bituminous Roads ...	171.219	171.319	31,87,368	31,90,322	82,955	2,61,953 4 9	35.00	
3	Sheet Asphalt Roads ...	51.910	51.910	11,93,538	11,92,315	5.941	35,675 5 0	66.00	
4	Concrete Roads ...	30.065	30.352	5,19,085	5,31,824	9.776	70,067 7 0	79.00	
5	Sett-Paved Roads ...	9.664	9.664	1,59,310	1,59,310	587	2,905 14 0	55.00	
	Total ...	268.448	268.510	51,58,551	51,63,283	1,13,143	3,89,096 8 0		
6	Katcha Footpaths ...	38.320	37.275	5,20,501	5,09,800	37.634	1,1387 4 8	3.33	
7	Road-Watering ...	...	...	...	...	83,212	13,879 11 5	1.78	
8	Ordinary patching and B. C. Patching						1,82,732 0 0		
	Total ...	306.718	305.785	56,79,052	56,73,083	2,33,989	5,97,095 8 1.	...	

APPENDIX 'N'

Statement showing the Works carried out from the Renewal of Road Surface during the year 1947-48.

Serial No.	Name of Work.	Mode of Construction.	Sanctioned Amount.	Actual Expenditure during 1947-48.	Total Expenditure upto 31-3-1948.	Remarks.
			Rs.	Rs.	Rs.	
1	Renewing the surface at Lady Jamshedji Road from Mahim Bazar X Road to Mahim Chowk.	3" Sheet Asphalt ...	1,04,930	41,198	87,333	Incomplete. Work in progress.
2	Renewing the surface at Hornby Road from Municipal Office to J. J. School of Arts ...	Do. ...	28,833	2,982	23,123	Incomplete.
3	Renewing the surface at Fort Street from Nichol Road to Frere Road	Do. ...	68,173	503	503	
4	Renewing the surface at Victoria Road, north side from Victoria Garden Road to Mount Road	Do. ...	67,354	27,214	65,563	Incomplete. Work in progress.
5	Renewing the surface at Colaba Causeway from Majestic Hotel to Tram Depot ...	Do. ...	61,163	4,216	22,963	Incomplete.
6	Renewing the surface at Arthur Road ...	Do. ...	26,951	...	...	
7	Renewing the surface at Falkland Road Bridge.	Do. ...	30,056	18,817	26,065	Incomplete. Work in progress.
8	Renewing 10' strip at Grant Road both sides from Falkland Road to Sukhlaji Street ...	4" Cement Concrete.	10,749	3,452	8,481	Incomplete.
9	Renewing the road surface of Grant Road half width both sides between Lamington Road to Falkland Road	3" Sheet Asphalt.	38,947	...	29,845	Incomplete.
10	Renewing the strip of sheet asphalt at Grant Road both sides from Falkland Road to Sukhlaji Street	Do. ...	14,607	...	14,799	Do.
11	Renewing the surface of Byculla Bridge junction to Haines Road	Do. ...	18,449	...	17,520	Complete.
12	Renewing the surface at Jacob Circle ...	4" Cement Concrete.	24,505	6,254	22,470	Incomplete.
13	Renewing the surface of Falkland Road between Golpitha and Grant Road ...	Do. ...	31,158	...	17,231	Do.
14	Renewing the surface of Grant Road from Trimbak Parsaram tStreet to Duccan Road, both sides and from Duccan Road to Parel Road north side	Do. ...	42,599	...	22,726	Do.
15	Renewing the surface of Babula Tank Road from its junction with Mazgaon Road to that with Victoria Garden Road	Do. ...	35,228	...	22,362	Do.
16	Renewing the surface of Elphinstone Road from the eastern end of the Bridge to junction with Sayani Road	Do. ...	50,002	...	25,539	Do.
17	Renewing the surface of Half width of Bhendi Bazar between a Sandhurst Road and Mahomedali Road, on both sides of Tram Track.	Do. ...	10,945	...	1,817	Do.
18	Gokhale Road (North) between Portuguese Church Street nd Lady Jamshedji Road ...	3" Sheet Asphalt ...	2,01,730	60,198	60,198	Do.
19	DeLisle Road between Clerk Road and Arthur Road	Do. ...	99,615	6,625	6,625	Do.
		Total ...	...	1,43,076	4,33,859	

Statement showing the works carried out during the year 1947-48 under VIII—Roads, Drains and Sewers, B.—Maintenance of roads, XX.—Renewal of surfaces of roads for which no renewal fund exists and surfaces of roads taken over from ex-Trust.

Serial No.	Name of Work.	Estimate.	Expenditure.	Total expenditure upto 31st March 1948.
		Rs.	Rs.	Rs.
1	Renewing the surface of Byculla Bridge (half width on either side of tram tracks to be concreted)	20,671	225	19,227
2	Do. do. do. with 3 sheet asphalt ...	27,845	13,055	22,178
3	Renewing the surface of Crucikshank Road from Dhobi Talao to Hornby Road with 3" sheet asphalt	1,10,951	51,013	61,531
4	Renewing the central strip of the Lady Jamshedji Road from its junction with Mahim Bazar Cross Road and Woollen Mill Lane junction with 3" sheet asphalt	1,49,161	51,177	99,710
5	Renewing the surface of Victoria Garden Road from Love Lane to Connaught Road (half width) with 4" c.c. either side of tfam tracks	68,559	33	33
6	Do. do. do. 3" sheet asphalt	75,365	14,984	14,984
7	Renewing the surface of Victoria Garden Road from Arthur Road junction to Kalachowky Road west avenue with 3" sheet asphalt	14,579	11,875	12,110
8	Do. do. do. East avenue with 3" sheet asphalt ...	14,977	11,620	11,620
	Total ...	...	1,53,982	2,41,393

ESTATES AND LAND MANAGEMENT.

Administration Report for the year 1947-48.

NEW SCHEMES.

Progress of New Improvement or Street Schemes taken up after the amalgamation of the Trust with the Municipality.

Scheme 57, Sewri Wadala.

(*a*) *Acquisition of Government passages in Bhoiwada Village.*—The engrossment of Transfer has been prepared by Government Solicitors and is being lodged for registration in the Office of the Sub-Registrar.

(*b*) *Acquisition of Government Passage to the South of Spring Mills—C.S. No. 155 (Part) of Dadar Naigaum Division.*—The joint survey of the passage has been carried out. The area admeasures 607 5/9 square yards. The Solicitors to Government will now proceed with the preparation of the draft Deed of Transfer.

(*c*) *Acquisition of Government Passages bearing C.S. No. 438 of Dadar Naigaum Division.*—The Collector of Bombay has recommended to Government the transfer of the abovementioned passage to the Municipality at a nominal compensation of Re. 1. The preparation of Deed of Transfer will be taken in hand by the Solicitors to Government after the joint survey of the passage is carried out.

Slum Service and Clearance.

1. *Scheme for the extension of Kelewadi Lane.*—The position in respect of the acquisition of properties is as stated below :—

(*a*) *C.S. No. 31* : (*b*) *C.S. No. 33.*—The conveyance in respect of the land acquired from these C.S. Nos. is being executed.

(*c*) *C.S. No. 34.*—The draft conveyance has been prepared by the Legal Assistant and it is being scrutinised for final execution.

(*d*) *C.S. No. 36.*—The work of erecting compound walls and gate has been completed.

Negotiations with a view to executing the conveyance of the land from these C.S. Nos. are in progress.

2. *Improvement of Lohar Chawl Lane off Wanzawadi (Scheme No. 76).*—The Scheme was approved by the Corporation under their Resolution No. 790, dated the 15th October 1947. An application is being made to Government under Section 354(*L*)(*i*) for obtaining sanction to the scheme.

3. *Development of Golanji Hill Estate.*—Survey of the area has been carried out with a view to determining the detailed layout. When the work of cutting the hill to the required level is done, further steps in the matter will be taken.

4. *Dharavi.*—The layout of the area to the south of Dharavi Road which was sanctioned by the Corporation has since been revised so as to conform strictly to the modern trends in the 'Neighbourhood planning'. This revised layout is being submitted to the Corporation for approval. The work of filling in the low lying land will be started shortly.

5. *Housing Scheme at Sion.*—The scheme for providing 500 rooms at Sion for accomodating the persons now staying in slum areas at Dharavi and Sion who will be shifted from there has been approved by the Corporation. The detailed plans and lay-out are again being improved so as to make them up-to-date.

TOWN PLANNING SCHEME.

(Mandvi-Koliwada).

The work of preparing the draft scheme in all its aspects was informally continued. The final meetings with the owners of the properties falling under the scheme were held on 22nd and 26th May 1947 when the draft scheme was fully explained to them and figures of valuation were supplied to individual owners or their representatives. All the objections received from the owners, after the final meetings were over, were duly considered and the draft scheme was submitted to the Corporation for publication on the 16th June 1947. It was approved by the Corporation under their Resolution No. 421 of 26th June 1947 and published on the same day and notified in the Official Gazette on 3rd July 1947. The draft scheme was kept open for inspection of the public for a period of one month from 3rd July 1947, the date of its publication, and was modified wherever necessary in the light of the objections received from the public. Several accompaniments t the draft scheme were prepared and whole scheme with all its accompaniments was submitted to the Corporation on 12th December 1947 for approval and for obtaining Government sanction thereto. The draft scheme was approved by the Corporation under Corporation Resolution No. 1251, of 21st January 1948 and it was submitted to Government on 30th January 1948 for according requisite sanction.

City of Bombay (Building Works Restriction) Act, 1944.—Permits were issued to the owners for constructing temporary structures as was done so far till the expiry of the Building Works Restriction Act, *i.e.*, upto 31st December 1947.

As the relevant sections of the Town Planning Act were in the meantime duly amended to enable the Municipality to grant conditional commencement certificates to the owners, the perid of the City of Bombay (Building Works Restriction) Act, 1944, was not extended after its expiry. As required by the amended Section 15 of the Town Planning Act, a communication to Government apprising them of the policy intended to be followed by the Local Authority and the conditions to be stipulated in the commencement certificates have been submitted for their approval as the building activities in the Town Planning Scheme area will now be controlled under the provisions of the Bombay Town Planning Act, 1915. Approval of the Provincial Government to this is awaited.

ACQUISITION OF LANDS.

(Ex-Trust Schemes).

(Land Acquisition Officer's cases in respect of old slums notified prior to amalgamation).

1. *Cases Nos. 538 and 538A Scheme 5 (Vithoba Temple at Matunga.*—The land AcquisitionOfficer has declared his award in this case but he is unable to take possession of the plot from the Trustees of the temple as there is some dispute amongst them. The Municipal Solicitors, Messrs. Crawford Bayley & Co., have been asked to issue notices to the Trustees for the specific performance of the contract.

2. The agreement in respect of the temple property bearing Case No. 374, Scheme 5 is prepared by the Legal Assistant and will be sent to the Trustees of the temple for their approval.

Changes in Ex-Trust Estates.

There have been no changes in Schedules X, Y and Z lands.

The net changes effected in the Ex-Trust Estates are set out in the following statement.

Change in.	As at the beginning of 1947-48 Square yards in thousands.	As at the end of 1947-48 Square yards in thousands.
Developed Land.		
Area permanently leased	52,57.	54,02
„ of Trust Chawls Sites	1,90	1,90
„ sold	0.09	0,09
„ reserved for a Municipal Market	0.02	0,02
„ yet to be permanently leased	3,05	2,85
Total ..	57,63	58,88
Rent of permanently leased area (in Rupees in Thousands)	39,24	40,61
Undeveloped Land.		
Area of land	56,10	54,85
Cost of its acquisition (in Rupees in thousands)	202,46	197,95

It will be seen that at the end of 1947-48 out of the total area of 1,39,36,000 square yards (about 2,879 acres) vested in or acquired by the Ex-Trust about 39.4 per cent remained to be developed, and of the developed area, about 4.8 per cent remained to be leased. The average value of the leased plots is Rs. 20 per square yard and that of the plots which remained to be leased is estimated at Rs. 25 per square yard.

PROGRESS OF DEVELOPMENT.

Scheme 37, Sydenham Road Estate.

Plots 10 to 12 which were originally reserved for recreation purposes were leased to Government for housing automatic telephone exchange.

Scheme 52, Worli Estate.

The Corporation by their Resolution No. 159, dated the 8th May 1947 sanctioned the detailed layout of the Neighbourhood Unit. The numbering of plots and their building layout in respect of area facing Worli Road along the Neighbourhood Unit was sanctioned by the Improvements Committee under their Resolution No. 420, dated the 16th February 1948. The plots were numbered 255 to 271.

Scheme 57, Sewri Wadala (South) Estate.

The general layout of this part of the Estate with roads and plots was sanctioned by the Corporation under their Resolution No. 174, dated the 27th June 1938. The detailed layout of an area of 56,026 square yards of this estate was sanctioned by the Improvements Committee and the Corporation. The area was laid out into 22 plots, *viz*, 14, 17 to 22, 24 to 37 and 39 and they have all been disposed of.

A portion of play-ground on the south of 60' road No. 26 and to the East of Spring Mill and plot No. 5 admeasuring 30,000 square yards was leased to the Peoples' Eduction Society Bombay for the purpose of Gymkhana tennis ground, Cricket pitches, etc.

Dishousing and Re-housing.

There were practically no vacancies in the chawls or acquired properties during the year under report.

Members of the menial staff, who are entitled to receive house rent allowance continued to occupy rooms rent-free in lieu of house rent allowance. Their number was 309 on 31st March 1948. Railway passes are being issued at Municipal costs to such of the members of the menial staff as are provided with rent-free quarters beyond one mile from their place of work. In pursuance of the Standing Committee Resolution No. 80, dated the 15th April 1946, 216 scavengers out of 424 belonging to this department were allowed rent-free accommodation and the remaining are being paid house rent allowance from 1st April 1946 as per sanctioned scale.

No building was transferred to vacant land register or demolished during the year.

The new residential accommodation made available in the houses Erected by the lessees of the *Ex*-Trust estates during the year amounted to 544 tenements. No more accommodation could be provided owing to non-availability of building materials in sufficient quantities.

It will be seen from Appendix D that the total number of tenements provided up-to-date in all the Trust Estates including those erected by the development department and the several mill companies exceeds the total number of tenements demolished by 30,821 as shown below :—

(*a*)	Tenements provided *in* Trust Chawls including 3 rooms and 2 room tenements and cottages at Matunga ..	10,006
(*b*)	Tenements provided in Chawls erected by the Spring Mills, the Century Mills, the Kohinoor Mills and the David Mills and in Chawls erected by the Development Directorate on the *Ex*-Trust Estates and the various Police Accommodation Schemes ..	18,555
(*c*)	Tenements provided in the semi-permanent rooms erected by the *Ex*-Trust ..	2,842
(*d*)	Tenements provided in the Lessees' Buildings ..	37,903
		69,306
	Less—Tenements demolished ..	38,485
	Excess of new tenements over demolished ones ..	30,821

The ownership of the rooms constructed by the Citizens' Relief Committee at Arthur Road and Wadala, Scheme 57, for housing the families who were dishoused as a result of the dock explosion on the 14th April 1944 has been taken over by this Municipality (Improvements Committee Resolution No. 241, dated the 7th October 1947 and Corporation Resolution No. 940, dated the 18th November 1947).

DISPOSAL OF LANDS. (*Ex*-Trust Estates).

Long Leases.

The number of plots let during the year was 93, having a total area of 1,47,743 square yards (about 30.5 acres) and valued at Rs. 36,36,423. Under Corporation Reolution Nos. 1019, and 1021 of 18th February 1946, sanction was obtained to accept the offers for the plots Nos. 29B and 43 at Sion Matunga (West) Estate : but before the offers could be accepted the parties withdrew their offers. These plots were re-let during the year under report. The total number of plots disposed of upto the end of 1947-48 is 4,080 with an area of 55,92,458 square yards (about 1155.5 acres) and valued at Rs. 11,36,87,019 yielding an annual rent of Rs.40,61,070 in respect of plots for which premium or commutation amounts have not been received. The rate at which ground rents are commuted is 22¼ years purchase for plots let before 23rd November 1920 and 18 years purchase thereafter. Where the period of commutation of ground rent is over, the lessees, if they so desire, are generally required to pay at the rate of 28 times the annual ground rent reserved. This policy has been approved by the Corporation under their Resolution No. 1031, dated the 11th February 1943. The progress in the disposal of Trust lands during the year was as follows :—

No.	Particulars.	No. of Plots.	Area in sq. yds.	Capital Value.	Annual rent.
				Rs. as. p.	Rs.
I	Plots leased (Rental basis) ..	64	97,813	27,85,250 1 0	1,67,120
	Plots leased (Premium basis) ..	29	49,930	8,51,172 15 0	10(A)
II	Land sold ..	..	..	..	..
III	Total plots disposed of ..	93	1,47,743	36,36,423 0 0	1,67,130(B)
IV	Plots disposed of in 1945-46 but offers withdrawn by the parties before acceptance ..	2	2,783	1,53,065 0 0	9,184
		91	1,44,960	34,83,358 0 0	1,57,946
	Corresponding figures for :—				
	1946-47 ..	148	2,23,289	66,67,165 1 0	3,69,470
	1945-46 ..	145	1,99,196	47,26,498 15 0	2,25,656
	1944-45 ..	90	2,12,451	48,47,016 5 0	71,071

(A) Interest on the premia at 6 per cent would be equal to about Rs. 51,070.
(B) If the interest on the premia is taken into account the result would show a figure of Rs. 2,18,190 instead of Rs. 1,67, 130.

The details of leasing in each estate are shown below :—

Estate.	No. of plots.	Area in sq. yds.	Capital Value.	Annual Rent.	Premium received or receivable.
			Rs. as. p.	Rs.	Rs. as. p.
Sion Matunga ..	19	12,200	5,41,467 0 0	29,777	45,255 0 0
Suparibaug ..	2	1,417	48,095 0 0	2,884	...
Sydenham Road ..	4	1,217	4,14,340 0 0	2	4,14,340 0 0
Worli Scheme 52 ..	4	5,595	2,08,734 8 0	6,914	93,547 0 0
Bellasis Road ..	1	58	1,094 0 0	1	1,094 0 0
Sewri Wadala ..	47	1,04,696	16,94,696 15 0	83,872	2,96,936 15 0
Worli Extension Scheme 58 ..	8	11,884	4,23,929 0 0	25,436	..
Naigaum ..	6	3,844	1,67,426 9 0	10,044	...
Schedule W ..	2	6,832	1,36,640 0 0	8,200	..
Total ..	93	1,47,743	36,36,423 0 0	1,67,130	8,51,172 15 0

In point of number, area, capital value and rent, the result shows a decrease over the previous two years. This is due to the fact that in developed area suitable plots are not available for being leased. Out of 2,85,000 square yards available for being leased about 1,66,000 square yards are reserved for Municipal purposes.

The amounts received by way of commutation of ground rents or premium are given below :—

Year.	Commutation.	Premium.	Total
	Rs.	Rs.	Rs.
1934-35 ..	1,06,864	5,44,830	6,51,694
1935-36 ..	3,52,813	9,82,851	13,35,664
1936-37 ..	5,91,599	14,37,742	20,29,341
1937-38 ..	2,98,550	17,41,264	20,39,814
1938-39 ..	3,48,852	6,49,522	9,98,374
1939-40 ..	4,57,907	10,12,036	14,69,943
1940-41 ..	5,78,833	15,55,994	21,34,827
1941-42 ..	7,43,178	7,39,451	14,82,729
1942-43 ..	10,23,498	15,78,000	26,01,498
1943-44 ..	25,09,087	16,68,020	41,77,107
1944-45 ..	14,85,257	23,49,507	38,34,764
1945-46 ..	12,96,028	14,90,351	27,86,379
1946-47 ..	15,95,518	4,81,383	20,76,901
1947-48 ...	6,85,724	9,57,834	16,43,558
Total ..	1,20,73,708	1,71,88,785	2,92,62,493

MONTHLY TENANCIES AND SHORT LEASES.

At the commencement of the year there were 598 acquired or surrendered buildings in charge of the Bombay Municipality (Improvements) out of which one was sold during the year. There were thus 597 buildings containing 5,070 tenements. The net change during the year was as under :—

Date.	No. of buildings.	Tenements.	Gross rental in lakhs.	1 room tenements.	2 room tenements.	Larger tenements.	Shops.	Godowns.	Factories.
31-3-1947	598	5,093	6.86*	3,811	631	306	225	115	5
31-3-1948	597	5,070	6.80	3,780	637	307	225	116	5

*(In the last year's Administration Report the figure was wrongly shown as 5.7 instead of 6.86).

The rents realised from the acquired, re-entered or surrendered buildings in 1947-48 aggregated to Rs. 6,85,289 and the total temporary revenue realised during the year was Rs. 20,85,688 against Rs. 17,51,446 of the previous year.

Particulars.	1945-46.	1946-47.	1947-48.
	Rs.	Rs.	Rs.
Rent from acquired or surrendered buildings ..	6,62,433	6,47,066	6,85,289
Rent from lands let for temporary structures ..	7,16,629	10,62,107	13,49,695*
Rent from letting for storing materials. (including sundry revenue).	230	1,637	1,767
Rent from cultivation rights, etc. ..	39,005	40,636	48,937
Total ..	14,18,297	17,51,446	20,85,688*

* The increase in revenue is due to the recovery of old arrears from the Military authorities.

The full letting value of 10,290 rooms including shops, godowns, looms etc., in the *Ex*-Trst chawls for the year was Rs. 9,89,429 as on 31st March 1948, against Rs. 9,83,862 of the previous year. The increase in the full letting value is due partly to the charging of standard rents in respect of the rooms released by the A.R.P. and partly to the additional 3 per cent., General Tax levied from 1st April 1946. The demand for the year included increased rent for 12 months as against 11 months of the previous year.

The gross demand of the *Ex*-Trust chawls for the year was Rs. 9,89, 429. The net demand for the year after excluding the amount of Rs. 416 for vacancies and Rs. 34,869 for concessional rents was Rs. 9,54,134. The revenue actually collected came to Rs. 8,90,949 which is equivalent to 93.38 per cent., of the net demand for the year.

This revenue is exclusive of the amount of Rs. 68,772 being the rent of the A.R.P. occupation and the rents due in lieu of House Rent Allowance for which adjustments have already been proposed but are not carried out in the Demand Registers of this office for want of intimation from the Chief Accountant's department. If this amount is added the percentage will rise from 93.38 to 100.56.

The gross demand for the year 1947-48 of 2,842 rooms in the semi-permanent sheds including the permanent ground floor rooms and sheds known as Labour Camps was Rs. 1,63,316. The loss on account of vacancies and concessional rents was Rs. 74 and Rs. 6,727 respectively. The net demand therefore, was Rs. 1,56,515. The amount actually collected came to Rs. 1,58,926 which is equivalent to 101.52 per cent., of the net demand.

The monthly rent charged for rooms in the permanent chawls built by the Ex-Trust ranges from Rs. 4-15-0 to Rs. 12-5-0 for one-room tenements, from Rs. 17-8-0 to Rs. 23-11-0 for two-room tenements and from Rs. 30-15-0 to Rs. 36-1-0 for three-room tenements.

The percentages of outgoings in respect of the chawls and the S. P. Sheds are shown below. On the basis of the maximum annual rental of Rs. 9,89,429 being the full letting value of the chawls on 31st March 1948 and of Rs. 1,63,316 of S. P. Sheds, the total outgoings came to 68.77 per cent. and 74.91 per cent. respectively. The percentage of vacancies being practically nil, the actual outgoings are 68,77 and 74.91 per cent.

Statement showing percentage of outgoings in different items.

Particulars	Permanent.		Permanent ground floor rooms and S. P. Sheds		Remarks.
	1946-47.	1947-48.	1946-47.	1947-48.	
Sanitary Staff	13.65	13.67	24.57	24.35	Including Labour Camps.
Pumpmen	0.37	0.37	..	..	
Cost of management and Establishment.	7.50	7.50	7.50	7.50	
Municipal Rates and taxes ..	17.46	17.37	18.05	17.90	
Repairs & Maintenance including lighting	27.09	29.96	25.13	25.16	
Vacancies	..	..	..	..	
Total ..	66.07	68.77	75.25	74.91	

The collection during the year on account of rents from these chawls, amounted to Rs. 8,90,949. Deducting therefrom the expenses amounting to Rs. 6,80,554 the net income came to Rs. 2,10,395. The Capital Expenditure incurred on these chawls including the value of land is 151.53 lakhs. The Corporation have to pay interest and sinking fund charges at the rate of 4.61 per cent. per annum on the Capital Expenditure prior to 1919-20 and 6.35 per cent. per annum on the expenditure incurred in subsequent years. This amounts to 8.88 lakhs per annum (*vide* Appendix 'C'). After deducting the amount of net income, the accounts for the chawls showed a loss of about Rs. 6,77,156 for the year :—

The average population in the chawls during 1947-48 was 53,807 as against 50,144 and 48,986 in 1946-47 and 1945-46, respectively, whilst the corresponding figures for semi-permanent sheds (excluding labour Camps) were 8,006, 7,000 and 6,864, respectively.

The death rate in the Ex-Trust chawls during the year was 7.6 per 1,000 against 6.1 and 7.9 in the year 1946-47 and 1945-46, respectively. These are exclusive of deaths not reported to the Chawl Office as also of those that may have occurred outside the Chawls at Hospitals, etc.

Collection of Revenue.

Details of the collection can be seen from the following table :—

A comparative statement showing the number of permanent tenancies with demand and collection as on 31st March of the past 4 years is given below :—

Particulars.	1945.	1946.	1947.	1948.
Number of tenancies	2,953	3,023	3,045	3,063
Demand for the year in lakhs of Rs.	33.14	33.50	32.61	32.27
Amount for collection do.	36.50	37.02	36.55	36.80
Actual collection do.	32.98	33.09	31.93	32.55
Arrears do.	3.53	3.93	4.62	4.25
Percentage of arrears to amount for collection	9.66	10.60	12.64	11.56
Percentage of collection to demand	99.51	98.78	97.96	100.87

The percentage of 11.56 of arrears can be atributed to some extent, to the communal disturbances in the city after 15th August 1947 and mostly to the usual tendency on the part of the new building tenants to withhold payments of ground rent to the extent of the cash security deoposits paid by them with a view to getting the same adjusted towards ground rent. Moreover, several plots have been requisitioned by the Defence Department of the Government of India, and the Lessees of such plots have kept the ground rents in arrear as they have not been able to recover rents from the Government of India. There are certain departmental adjustments yet to be posted. Certain arrears were due in respect of properties re-entered upon. These items aggregate to Rs. 2,58,687 as under :—

	Rs.
(1) Arrears in respect of properties re-entered for which legal action is taken	.. 1,12,380
(2) Ground rents withheld by lessees to the extent of their seurity depcsits	.. 70,789
(3) Ground rents in respect of plots occupied by the Military	.. 55,292
(4) Amount held in deposit pending adjustment	.. 3,778
(5) Departmental adjustment to be posted	.. 16,448
Total	.. 2,58,687

If these items are excluded the balance of arrears comes to Rs. 1.68 lakhs which is equal to 4.7 per cent.' of the amount for collection.

Collection of Revenue.

Details of the collection can be seen from the following tables :—

Particulars.	REVENUE.		Total.
	Permanent.	Temporary.	
	Rs.	Rs.	Rs.
Amount for collection.			
Demand for the year	32,26,839	27,27,666	59,54,505
Arrears	(a) 4,53,648	14,99,311	19,52,959
Total Rs. ..	36,80,487	42,26,977	79,07,464
Amount collected	32,54,915	31,35,762	63,90,677
Amount written off	..	27,520	27,520
Arrears as on 1-4-1948	4,25,572	(b)10,63,695	14,89,267
Do. 1-4-1947	(a) 4,61,889	14,99,311	19,61,200
Do. 1-4-1946	3,93,823	13,54,220	17,48,043

(a) The difference of Rs. 8,241 in the opening arrears is due to the departmental adjustments having been posted after the preparation of the last year's report and to the reduction in the demand on account of commutation.

(b) This includes Rs. 4,86,531 due from the Military authorities and Rs. 68,772—0—0 being rent for A.R.P. occupations and H.R.A. bills which have remained to be posted for want of intimation from C. A.

Legal.

In the year under review, 270 ejectment and claim suits were filed against the tenants who had run into arrears and the total costs incurred in respect of these suits came to Rs. 4,684-1-0. A sum of Rs. 3,031-14-6 has been recovered against the Court Costs incurred and the balance of Rs. 1,652-2-6 will be recovered after 100 cases, which are still pending in the Court, are disposed of.

(1) *High Court Suit No. 934 of 1935 in respect of Plot No. 26, Sandhurst Road Estate.*—The balance of the decretal amount and costs of the Legal Assistant in respect of this suit are to be recovered. The Bill of Costs was prepared but the same was not lodged for taxation as the whereabouts of the heirs of Mr. Bajid Gulab (the original Lessee) could not be ascertained and hence no instructions have been given to the Legal Assistant to proceed further in the matter.

2. *High Court Suit No. 52 of 1936 in respect of Plot No. 28 Nowroji Hill Estzte.*—Certain amount due under the decree is to be recovered from the 1st Defendant, Gulamalli Haji Karamally, who was adjudicated an insolvent. The order of adjudication was subsequently annulled. It was reported that he owned certain property at Bandra. Searches were, therefore, taken in the office of the Sub-Registrars of Bandra and Thana and also in the offices of the Mamlatdar, South Salsette, Andheri and the Talati at Bandra. From the searches so far taken it appears that the Defendant is at present the owner of certain properties at Bandra.

3. *High Court Suit No. 1326 of 1938 in respect of Scheme No. 57 Case No. 320 let to Mr. Kisonlal Madhavlal.*—Possession of the property in suit was taken but no proceedings for the recovery of the decretal amount were taken as it was reported that the Defendant had no property.

4. *High Court Suit No. 569 of 1939 in respect of Plot No. 27 Sandhurst Road East Estate and Plots Nos. 4 and 5 Sydenham Road Estate.*—One of the Defendants has become insolvent and execution proceedings for the recovery of the balance of the decretal amount will be taken against the other Defendants after their whereabouts are known.

5. *High Court Suit No. 564 of 1940 in respect of Plot No. 48, Nowroji Hill Estate.*—Warrant under Order XXI Rule 46 of the Code of Civil Procedure was issued for attachment of the Defendants interest Government Papers lying with the Municipality by way of deposit and the said warrant was executed. result, the Government papers were sold by the Sheriff of Bombay and the Sheriff sent Rs. 2,797-11-6 being the net sale proceeds of the said Government papers.

6. *High Court Suit No. 223 of 1943 filed against Bai Khatizabai G. Rupawalla in respect of Plot No. M/3 Scheme 37, for ejectment and for recovery of arrears of rent and taxes.*—A decree in the said suit was passed on the 29th June 1943. As the Defendant failed to pay the balance of the decretal amount, an application for execution of the said decree was made and the notice under Order XXI Rule 22 of the Code of Civil Procedure was issued. Pursuant to the order made on the said notice, a warrant of attachment was issued by the Court and the property in suit was attached. Before however the warrant could be fully executed the party paid Rs. 10,000 and Rs. 1,714-10-0 against the decretal amount which amounts have been accepted as deposits. The party has promised to deliver vacant possession of the property by 7th August 1948 and the plantiffs have agreed not to proceed further till then. However, necessary proceedings are being taken to keep the warrant alive.

7. *High Court Suit No. 512 of 1944 in respect of Suparibaug Estate Plot No. 24 (Leased to Tricamdas Kallianji Thakkar) filed against Haridas Tricamdas and others for forfeiture of lease and recovery of arrears of ground rent.*—A decree in the said suit determining the lease of the plot and for payment of arrears of ground rent, compensation, costs, etc., was passed on the 11th July 1944 against the Defendants who through their Attorneys were negotiating for payment of the decretal amount by sale of certain other property belonging to them, but as the Defendants failed to pay the decretal amount, steps to execute the decree are being taken. Required notice under order 21 Rule 22 of the code of Civil Procedure was issued by the Court and the same was served on the Defendants after some attempts were made to do so. The notice has become absolute and the Court has now granted leave to the Plantiffs to execute the decree. The order on the said notice has been received from the Court and the necessary application for the issue of the writ of possession has been made.

8. *High Court Suit No. 937 of 1944 was filed against Ram Kuber Ram Bhagoo and others inter alia.*—(*a*) for ejectment and vacant possession of the land and premises belonging to the Municipaity at Kala Killa, Dharavi comprised in Case No. 201, Scheme 56 : (*b*) for compensation for use and occupation thereof and (*c*) for authorising the Plantiffs to cause the dead body of one Surji Bhoja to be exhumed and to be buried in a proper place and ground. On 16th January 1945 the suit was transferred by the High Court to the list of Long Causes in view of the written statement filed by the Defendants. The suit is being settled on certain terms. The terms of settlement approved by the Municipality will be finally approved by the Attorneys for the Defendants.

Land Acquisition and Management.

Municipal Section—Schemes, Overbrdiges, etc.

Scheme for the widening of the 1st Marine Street Dhobi Talao.—The claimants in Case No. L.A.Q. 16/5 have now agreed to the terms and conditions as drafated by the Legal Assistant and the engrossment is being prepared.

Acquisition of Khardi Village Gaothan (Thana District) for prevention of contamination of Tansa Catchment.—The decision of Government to notify the properties included in the old gaothan under Section 6 of the Land Acquisition Act, is still awaited.

Acquisition of land for the construction of additional Purificatuion Works, Tulsi Pipe Line, Dadar.—Reference in respect of the case No. L.A.Q. 45/6 is still pending before the High Court.

Acquisition of land for the construction of a 50.' Road from Bhavani Shankar Road to Tulsi Pipe Line of Sewage Purification Works at Dadar.—The conveyance in respect of Case No.L.A.Q. 40/1 has been lodged fo registration in the office of the Sub-Registrar.

Acquisition of Properties off Maruti Street bearing C.S. Nos. 851, 867 and 866 part of Fort Division in connection with the construction of proposed Extension of the 60.' Parsee Bazar Street.—Mr. D. B. Ghadially, the claimant of these properties who was declared lunatic by the court is reported to be dead. The cases regarding C.S. Nos. 851 and 867 have been settled already. As regards the remining case, *i.e.*, 866 (part) the Solicitors of the claimant are arranging for the appointment of a Manager for the settlement of the case. The matter is still pending before the Special Land Acquisition Officer.

Mahim Development and other Schemes.

Ranade Road Extension Scheme.—The case No. L.A.Q. 2/2 in which a Reference No. 5 of 1942 was filed by the claimant, Mr. N. F. Bilia and other has been compromised on the Municipality paying a sum of Rs. 6,398 each party bearing its own cost of reference.

Reference No. 4 of 1942 in Case No. 2/3.—Mr. Balkrishna B. Dadarkar, the claimant of this property has compromised the case on paymnt of Rs. 1,750, each party bearing its own cost of reference.

Reference No. 1 of 1943 in Case No. 2/14.—Mr. Janardan Anant Dhuru, the claimant of this property has compromised the case on payment of Rs. 4,976, each party bearing its own cost of reference.

Housing accommodation scheme for Fishermen at Mahim Causeway.—Government have agreed to transfer to the Municipality the additional land required for the recreation ground at Mahim Causeway on payment of nominal compensation of Re. 1. The Deed of Transfer is being prepared by the Solicitors to Government. The Housing Scheme for Fishermen will be framed after the Deed of Trasnfer and Lease of land are completed.

Acquisition of land out of propertes in C.S. Nos. 521 335, 1208 and 1209, Mahim Division under the Land Acquisition Act, Mahim Development Scheme.—(*a*) The cases Nos. 521, 335 and 1208 are closed for award and the possession of the land falling within the road will be taken shortly on payment of a nominal compensation of Re. 1 in each case.

(*b*) The case bearing C.S. No. 1209 is pending before the Special Land Acquisition Officer, as the claimant, Mr. Mehedi Hasan Lalji, has not yet cleared his title.

Revenue Suit No. 1 of 1940. Assessment of Crawford Market to Land Revenue.—Government have made an appeal against the decision of the Appeal Court and the same is pending before Federal Court.

Reservation of an area for a recreation ground in lieu of Parel Tank Site resumed by Government.—Government have been requested to bear proportional cost of acquiring the land for providing a play-ground in the locality. Negotiations are still in progress.

Acquisition of land for a 40' Road off Bhawani Shankar Road, C.S. No. 1415 of Lower Parel Division.—Possession of the land has been taken on 30th May 1947 on payment of a nominal compensation of Re. 1.

Acquisition of land along drainage channel for shifting cemeteries at Haines Road.—The owners have put in their claims before the Special Land Acqusition Officer and the Municipal claim will be Submitted in due course.

Acquisition of land for the construction of a Road on Tulsi Pipe Line Land between Haines Road and Mahim Creek.—The Corporation have approved the proposal made by the Commissioner to tackle the Scheme of laying a road on Tulsi Pipe Line Land under their Resolution No. 307, dated the 16th June 1947.

Acquisition of Municipal land by the Defence Department, Plots Nos. 108-140, Agripada (West) Estate and Plots Nos. 113-114 and 103, Sion-Matunga East) Estate.—Negotiations are opened by Government to take the lease of the above plots instead of acquiring the Municipal interest in the land. The matter is in progress.

Acquisition of Municipal land by Government for Police Accommodation Scheme in Schemes No. 57 Sewri-Wadala Estate (North) Plots Nos. 66 to 70.—The cases are closed for award and the awards of the Special Land Acquisition Officer are awaited.

Acquisition of Municipal land by Government for Police Accommodation Scheme in Scheme No. 29, Nowroji Hill Estate, Plots Nos 56 to 60 and 62 to 65.—Possession of land in respect of Plots Nos. 56, 57, 58, and 60 has been taken by the Special Land Acquisition Officer on payment of compensation to the Municipality and the lessees of the Municipality. As regards Plots Nos. 59, 62 to 65, action for handing over the possession to Special Land Acquisition Officer is in progress.

Acquisition of land for the Extension of the Municipal Labour Camp at Chembur.—The Collector of Bombay has been requested to notify the land under Section 4 of the Land Acquisition Act.

Special Road Schemes

Hornby Road to Ballard Pier Scheme.—The total rent recovered from the Scheme during the year amounted to Rs. 1,776. The previous year's recovery was Rs. 1,534.

Palton Road Estates.—The Semi-permanent sheds in this Estate are let to poor tenants. The total rent recovered from the Estate during the year amounted to Rs. 20,007. The previous year's realisation was Rs. 16,048. The increase in revenue is due to the recovery of old arrears.

No appreciable change could be effected in other schemes.

Statement 'A' attached indicates the progress in the disposal of Municipal lands during the year under report and statement 'B' gives the details of the collection of revenue from the buildings and lands let for the purposes other than cultivation. It will be seen that the value of the municipal lands disposed of during the year came to Rs. 3,61,460 as against Rs. 2,13,880 during the previous year. The total area of Municipal land available for disposal as on 1st April 1948 was about 24,279 square yards valued at Rs. 2,79,208. The amount of fees collected from the rights of cultivation, gathering fruit, etc., came to Rs. 3,530.

A. R. MANERIKAR,
Ag. Dy. Municipal Commissioner, (Improvements).

STATEMENT 'A'

The figures indicate progress in the disposal of old Municipal land in the year as follows :—

Particulars.	No. of Plots.	Area in sq. yds.	Capital Value.
			Rs.
I.—Plots leased on rental basis ..	2	18,073	3,61,460
II.—Plots leased on premium basis ..	..	..	..
III.—Land sold ..	..	..	—
Total ..	2	18,073	3,61,460
Corresponding figures :—			
1944-45 ..	4	1,836	3,78,279
1945-46 ..	4	16,404	5,08,770
1946-47 ..	5	19,416	2,13,880

STATEMENT 'B'

Collection of Revenue in respect of Old Municipal Properties. Details of the collection of revenue during the year 1947-48 can be seen from the following tables :—

Particulars.	Revenue.		
	Permanent.	Temporary.	Total.
	Rs.	Rs.	Rs.
Amount of collection (demand for the year) ..	*1,04,858	4,40,038	5,44,896
Amount of arrears for the year ..	10,098	63,446	73,544
Total ..	1,14,956	5,03,484	6,18,440
Amount collected ..	1,08,991	4,28,593	5,37,584
Amount written off ..	..	438	438
Arrears as on 1st April 1948 ..	6,008	†68,574	74,582
Arrears as on 1st April 1947 ..	10,098	63,446	73,544
Arrears as on 1st April 1946 ..	9,878	1,04,030	1,13,908

* The demand and collection of the permanent revenue is in respect of 230 plots and the percentage of collection is 103.94 of the demand.

† The increase in arrears is due to the creation of an additional tenancy of 300 rooms at Arthur Road with retrospective effect.

APPENDIX

Particulars of Municipal (Improvements) Chawls, Capital Cost, Net Annual Returns

Serial No.	Name of the Chawl.	Year in which the site of chawls appropriated for construction of chawls.	Total area of the site of chawls sq. yds.	Rate per sq.yds. as in the year given in column 3.	Value of the site (cols. 4 & 5)	Constructional cost of the chawls including 7½ per cent. for management and establishment.	Cost of work, value of land and management and establishment charges (columns 6 and 7).	Interest and Sinking fund charges on Capital outlay at 4.61 per cent. on column 8 up to 1919 and thereafter at 6.35 percent.	Full letting value per annum.	Annual profit + or loss — *i.e.*, 31.23 per cent. of column 10—9.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
			Sq. Yds.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	1—4 Agripada A Chawls ...	1900	7,285	7	50,995	1,85,505	2,36,500	10,903	23,236	—3,646
2	5—16 Do. B do. ...	1903	11,925	6	71,550	5,41,639	6,13,189	28,269	60,549	—9,360
3	31—32, 38—40, 45—46 Do. C do. ...	1903	6,251	6	37,506	2,79,182	3,16,688	14,599	32,309	—4,509
4	19—24 Chandanwadi Chawls ...	1904	9,664	15	1,44,960	3,76,915	5,21,875	24,059	63,109	—4,350
5	25—27, 29, 30 & 41 Imamwada A Chawls ...	1905	13,442	13.8	1,81,467	4,98,562	6,80,029	31,349	65,136	—11,007
6	50 Do. B do. ...	1905	949	13.8	12,811	19,368	32,179	1,483	2,388	—737
7	33—37 Mandvi-Koliwada Chawls ...	1908	4,169	75	3,12,675	2,76,040	5,88,715	27,140	56,289	—9,561
8	51 Workmen's Cottages, Matunga ...	1905	944	5	4,720	12,083	16,803	774	1,293	—370
9	17—18 Nagpada A Chawls ...	1903	2,569	7	17,983	82,358	1,00,341	4,626	11,448	—1,051
10	39 Do. B do. ...	1904	2,099	7	14,693	99,776	1,14,469	5,277	11,448	—1,702
11	28 Princess Street Chawls ...	1907	1,480	30	44,400	42,412	86,812	4,002	6,096	—2,098
12	42—44, 47—49 Supparibaug Chawls ...	1910	8,081	4.8	36,364	3,39,878	3,76,242	17,345	34,200	—6,664
13	52—57 Chinch Bunder Chawls ...	1913	8,496	(d) 26.66	2,26,560 (c)	3,79,622	6,06,182	27,945	48,057	—12,937
14	... Cottage Blocks (old) ...	1920	2,780	10	27,800	36,069	63,869	4,056	3,108	—3,085
15	58—61 Mahar Chawls ...	1921	4,181	15	62,715	4,39,814	5,02,529	31,911	29,134	—22,813
16	62 Peons Chawls ...	1921	3,419	15	51,285	1,70,863	2,22,148	14,106	12,561	—10,183
17	63—66 Mominpura Chawls (Old) ...	1921	7,760	15	1,16,400	4,31,655	5,48,055	34,801	24,925	—27,017
18	67—72 Three-room tenements, Scheme 5	1922	5,609	6	33,654	2,64,717	2,98,371	18,946	14,532	—14,408
19	73—78 Two-room tenements, Scheme 6	1922	4,234	6	25,404	2,91,972	3,17,376	20,153	17,775	—14,602
20	79—85 Cottage Blocks (new) ...	1922	7,808	6	46,848	69,312	1,16,160	7,376	2,842	—6,489
21	Blocks. 1—19 Bellasis Road Chawls ...	1922	35,704	19	6,78,376	25,75,065	32,53,441	2,06,594	1,59,816	—1,56,683
22	1—16 Mazagaon Chawls ...	1922	29,081	10	2,90,810	21,77,079	24,67,889	1,56,711	1,13,568	—1,21,243
23	1 Mominpura Chawls (New) ...	1923	3,911	20	78,220	3,14,276	3,92,496	24,923	21,883	—18,089
24	1—23 Love Lane Chawls	1925	13,367	18.8	2,47,289	11,36,407	13,83,696	87,865	88,820	—60,127
25	1—10 Sydenham Road Chawls ...	1925	12,795	16	2,04,720	7,78,071	9,82,791	62,407	59,936	—43,689
26	1—2 Paltan Road Chawls ...	1940	3,255	25	81,375	2,32,503	3,13,878	19,931	24,959	—12,136
	Total	...	2,11,258	...	31,01,580	1,20,51,143	1,51,52,723	8,87,551	9,89,417	—5,78,556

(a) Rs. 8—0—0 for 8 rooms being two-room tenements.

(b) Represents looms.

(c) This figure represents the value at Rs. 40 per sq. yd. of the site situate between the 25' road and the Railway and measuring 5664 sq. yds.

(d) This figure is arrived at by dividing (c) by 8496 sq. yds.

A=Rooms occupied by Mukadams.
B= do used for Office & Stores.
C= do temporarily occupied by Schools.
D= do occupied by Chawl Supdts. quarters including Office & Stores.
E= do do do Shops
F= do do do Gymnasiums..
G= do do do Godowns.

APPENDIX

Statement showing dishousing and rehousing operations on

Year.	Number of tenements demolished up to the end of the year				Number of tenements provided up to							
					In Chawls			In Police Accommodation, Poor Classes Accommodation, Companies and B. D. Chawls				
	One room.	Two room.	Larger.	Total Col. (2) to (4).	Permanent.	S. P. Sheds.	Total Col. (6) and (7).	One room.	Two rooms.	Larger.	Servants quarters.	Total Col. (9) to (12).
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1898-99 to 1945-46. ...	29,329	5,479	3,664	38,472	10,006*	2,842	12,848	18,197	51	145	162	18,555
1946-47 ...	13	...	...	13	...	...	...	...	...	...	...	...
1947-48 ...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	29,342	5,479	3,664	38,485	10,006	2,842	12,848	18,197	51	145	162	18,555

* This figure is exclusive of Godowns and Gymnasiums.

C.

Number of tenements, full letting value and permissible actual population.

Percentage of net annual return (31.23 per cent. of col. 10) of capital cost (col. 8).	Total Number of rooms. Column 18+19.	Number of floors including ground floor.	Floor area of tenements including verandah.	Rent per room as on 31-3-1948.	Net profit+ or loss — per room (column 11+13).	Number of rooms let for living purposes.	Number of rooms let for Shops, Godowns, or Municipal purposes.	Total population	Equivalent Adults.	Maximum permissible population in adults.		Population per acre in largest groups as per column No. 20.
										Population per tenement.	Total population.	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	22	23	(24)
			Sq. ft.	Rs. as.		Rs.						
3.07	312 1 (Verandah)	3	175	5 12 (a) 8 10	—11.68	275	7—D 30—E	2,523	1,692	5	1,375	
3.08	658 288	4	110 142	4 15 5 6	—9.89	926	20—E	2,900	2,539	4	3,708	1,104
3.18	433	4	177	5 12	—10.41	413	19—E, 1—F	2,097	1,820	5	2,065	
3.78	674	4	125	7 10	—6.45	663	2—D, 9—E	3,302	2,756	4	2,656	1,393
2.99	857	4	125	6 6 6 14	—12.84	845	1—B, 4—C & 7—D	3,774	3,478	4	3,380	1,169
2.32	30	4	135	6 10	—24.57	30	...	...	...	...	...	
2.98	278	4	176	8 5	—34.39	222	30—E, 26—G	1,482	1,255	5	1,110	1,181
2.4	15	1	120	8 3	—24.66	15	...	...	...	4½	67½	...
3.56	144	4	148	6 10	—7.29	144	...	978	894	5	720	1,482
3.12	144	4	160	6 10	—11.81	144	...	686	633	3½	504	
2.19	64	4	131	7 15	—32.78	64	...	419	367	4	256	...
2.84	488	4	176	5 15	—13.85	479	1—B, 1—F	3,216	3,060	4½	2,155½	...
2.47	405	2	176	6 7	—31.94	372	33—G	2,212	2,011	3½	1,302	1,114
1.52	14	1	175	18 8	—220.36	14	...	...	...	5	70	...
1.81	325	4	176	7 6	—70.19	320	4—E 1—G	3,584	2,344	5	1,600	...
1.76	134	4	176	8 3	—75.99	131	3—E	818	597	5	655	...
1.42	246 (b) 160	4	76	7 3	—66.54	240	6—D	1,736	1,284	5	1,200	1,008
1.52	36	3	62	Rs. 30-15,34 & 36-1	—400.22	36	...	...	...	...	...	...
1.74	72	3	338	Rs22-10,20-9, & 19-9.	—202.8	72	...	...	...	...	...	...
.7	10	1	325	Rs. 23-11	—648.9	10	...	...	...	...	...	...
1.53	1,549	4	176	Rs 8-3, 10-4, 9-12 & 5-2	—101.15	1,513	20—C 7—D & 9—E,	7,089	6,595	5	7,565	...
1.44	1,305	4	176	Rs. 7-3, 7-11	—92.91	1,261	36—C, 6—D & 2—E	6,837	6,110	5	6,350	...
1.74	234 (b) 54	4	176	Rs. 7-3, 2-1.	—46.62	228	16—E	1,538	1,116	5	1,140	1,574
2.00	821	4	176	Rs. 8-3, 8-12 9-4, 9-12, 10-4 10-13.	—73.24	790	21—E, 3—B, 6—D & 1—F	5,520	5,220	5	3,960	...
1.9	391	4	176	Rs. 8-12, 9-4 9-12, 3-8, 10-4, 18-8, 19-9 & 20-9.	—111.74	387	1—B, 1—C, 1—D & 1—E	2,276	2,028	5	1,925	...
2.48	156	4	180	Rs. 8-3, 8-12, 9-4 & 10-4	—77.79	126	23—E 7—G	820	782	5	630	...
2.04	10,291	...	...	...	—55.67	9,720	* 356	53,807	46,581	...	44,394	...

* 6—B, +61—E, +42—D, +177—E, +3—F, 67—G,

D.

Estates since the commencement of the late Trust.

THE END OF THE YEAR					One room cols. 8+9+14.	Two rooms cols. 10+15.	Larger cols. 11+16.	Servants' quarters cols. 12+17.	Grand Total cols. 19 to 22.	NET ADDITION (+) OR REDUCTION (—)	
IN LESSEES' BUILDINGS											
One room.	Two rooms.	Larger.	Servants' quarters.	Total cols. 14 to 17						In the year cols. 22—5.	To end of the year.
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
17,640	7,588	9,830	2,220	37,278	48,685	7,639	9,975	2,382	68,681	30,209	30,209
29	8	44	...	81	29	8	44	...	81	+68	+68
64	210	270	...	544	64	210	270	...	544	+544	+544
17,733	7,806	10,144	2,220	37,903	48,778	7,857	10,289	2,382	69,306	30,821	30,821

APPENDIX "A" *Capital Account.* Figures in Lakhs.

Particulars.	1944-45		1945-46		1946-47		1947-48	
	In the year.	To end of the year.	In the year.	To end of the year.	In the year.	To end of the year.	In the year.	To end of the year.
RECEIPT.								
Loan ...	...	1,736.9	...	1736.9	...	1,736.9	...	1736.9
Discount or Premium ...	...	—14.2	...	—14.2	...	—14.2	...	—14.2
Sale Proceeds ...	36.1	505.3	28.8	534.1	20.98	555.1	17.04	—572.1
Appropriation from General Account ...	+2.5	—193.2	—1.0	—194.2	—62.	—194.8	+7.27	—187.5
Special contribution from Government...	...	54.0	...	54.0	...	54.0	...	54·0
Release of Debentures lodged with Govt.	...	42.6	...	42.6	...	42.6	...	42,6
Extraordinary receipts ...	...	25.1	...	25.1	...	25.1	...	25.1
Miscellaneous ...	...	0.1	...	110.1	...	...	...	...
Total ...	38.6	2,156.6	27.8	1,12,184.4	20.36	2,204.7	24.31	2229.0
EXPENDITURE								
I.—On Govt. and Municipal Property—								
Schedule 'W' ...	.2	13.3	0.1	13.4	...	13.4	.10	13.5
Do. 'X' ...	...	16.2	...	16.2	...	16.2	.03	16.2
Do. 'Y' ...	...	4.7	...	4.7	...	4.7	...	4.7
Police Accommodation Schemes	...	91.6	...	91.6	...	91.6	...	91.6
Total ...	.2	125.8	0.1	125.9	...	125.9	.13	126.0
II.—On the Trust own acquired lands—								
Cost of Management and Estab.	1.3	186.8	1.0	187.8	.79	188.5	.86	189.4
Acquisition of land ...	...	979.4	...	9794	.10	979.5	.35	979.8
Chawls ...	...	131.1	...	131.1	...	131.1	.01	131.1
Roads ...	2.5	413.1	2.6	415.7	1.91	417.6	3.30	420.9
Other works ...	.2	25.4	...	25.4	.60	26.0	.40	26.4
Mill companies chawls ...	...	7.7	...	7.7	...	7.7	...	7.7
Total ...	4.0	1,743.5	3.6	1747.1	3.4	1,750.4	4.92	1755.3
III.—Miscellaneous—								
Office Buildings ...	...	4.5	...	4.5	...	4.5	...	4.5
Other items ...	...	12.3	...	12.3	...	12.3	...	12.3
Total ...	...	16.8	...	16.8	...	16.8	...	16.8
IV.—Disposal of Profits ...	...	...	...	...	...	...		
V.—Debentures lodged with Govt. ...	...	42.6	...	42.6	...	42.6	...	42.6
VI.—Repayment of Loan ...	21.8	97.3	0.6	97.9	0.3	98.2	...	98.2
Total ...	26.0	2,026.0	4.3	2030.3	3.7	2,033.9	5.05	2038.9
Balance ...	12.6	130.6	23.5	154.1	16.7	170.8	19.26	190.1

APPENDIX "B"

Analysis of General Account

(Figures in columns 2 to 12 shown in lakhs)

Year.	Receipts						Expenditure					Balance appropriated to Capital account.	Remarks.
	Rents.	Municipal contribution.	Share of tobacco duty.	Interest on investment.	Miscellaneous.	Total.	Maintenance.	Municipal rates and taxes.	Interest and sinking fund.	Miscellaneous.	Total.		
(1)	(2)	(3)	(3A)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1898-1899 ...	1.9	...	...	...	...	1.9	0.1	...	...	...	0.1	1.8	Rent received in 1898-99 was mainly rent under Schedule 'Z'
1899-1900 ...	0.7	...	...	0.8	...	1.5	0.2	0.2	...	...	0.4	1.1	
1900-1901 ...	0.9	4.8	...	1.6	...	7.3	0.3	0.2	2.2	...	2.7	4.6	
1901-1902 ...	1.2	4.8	...	1.5	...	7.5	0.4	0.2	2.5	...	3.1	4.4	
1902-1903 ...	1.4	5.0	...	3.5	...	9.9	0.4	0.2	4.1	...	4.7	5.2	
1903-1904 ...	2.6	3.5	...	2.3	...	8.4	0.4	0.4	5.7	0.1	6.6	1.8	
1904-1905 ...	5.8	2.0	...	2.7	...	10.5	0.7	0.9	8.1	0.1	9.8	0.7	
1905-1906 ...	9.7	2.5	...	1.9	...	14.1	1.4	1.3	10.1	0.1	12.9	1.2	
1906-1907 ...	8.5	3.0	...	2.1	0.1	13.7	1.9	1.1	11.2	0.1	14.3	—0.6	
1907-1908 ...	8.1	3.6	...	2.4	0.1	14.2	2.2	1.0	12.1	0.1	15.4	—1.2	
1908-1909 ...	9.4	4.5	...	1.2	0.1	15.2	2.5	0.8	13.0	0.1	16.4	—1.2	
1909-1910 ...	11.4	7.8	...	1.5	0.2	20.9	*3.3	1.0	16.0	0.1	20.4	0.5	
1910-1911 ...	14.4	8.9	...	1.5	0.1	24.9	*3.1	1.0	19.1	0.1	23.3	1.6	
1911-1912 ...	16.6	8.6	...	2.2	0.1	27.5	*3.0	1.3	20.2	0.1	24.6	2.9	
1912-1913 ...	18.0	9.2	...	2.0	...	29.2	*2.7	1.0	20.5	0.1	24.3	4.9	
1913-1914 ...	20.9	9.3	...	2.5	...	32.7	*2.4	1.2	21.4	0.3	25.3	7.4	
1914-1915 ...	23.0	9.8	...	1.5	0.1	34.4	2.7	1.5	22.4	0.3	26.9	7.5	
1915-1916 ...	24.8	10.2	...	1.5	...	36.5	2.9	1.6	23.8	0.3	28.6	7.9	
1916-1917 ...	27.2	11.0	...	2.5	0.1	40.8	3.1	1.7	25.8	0.2	30.8	10.0	
1917-1918 ...	29.8	11.0	...	2.9	0.1	43.8	3.6	1.7	25.6	0.2	31.1	12.7	
1918-1919 ...	33.2	11.5	...	2.0	0.1	46.8	3.6	2.0	25.2	0.2	31.0	15.8	
1919-1920 ...	35.7	15.2	...	1.7	0.2	52.8	3.7	2.2	24.1	0.6	30.6	22.2	
1920-1921 ...	37.5	15.7	...	5.4	0.5	59.1	4.0	2.4	29.4	1.0	36.8	22.3	
1921-1922 ...	43.4	15.8	...	5.4	0.4	65.0	6.4	2.9	52.6	0.6	62.5	2.5	
1922-1923 ...	45.0	17.9	...	4.9	0.1	67.9	7.9	3.5	64.1	—0.5	75.0	—7.1	
1923-1924 ...	44.2	19.1	...	7.6	0.2	71.1	9.6	3.2	74.2	0.6	87.6	—16.5	
1924-1925 ...	50.5	20.2	...	6.4	0.4	77.5	9.0	4.4	80.6	0.6	94.6	—17.1	
1925-1926 ...	48.7	22.3	...	6.8	0.2	78.0	8.6	3.4	93.7	0.2	105.9	—27.9	
1926-1927 ...	49.5	22.4	...	7.2	3.2	82.3	9.6	3.6	90.5	—0.3	103.4	—21.1	
1927-1928 ...	48.5	23.1	...	6.3	2.3	80.2	11.3	3.8	90.2	...	105.3	—25.1	
1928-1929 ...	47.6	23.0	...	3.8	1.0	75.4	10.6	2.7	90.4	...	103.7	—28.3	
1929-1930 ...	51.0	22.9	...	2.7	0.1	76.7	10.2	2.9	89.3	...	102.4	—25.7	
1930-1931 ...	50.2	23.1	...	2.7	0.2	76.2	10.2	3.4	92.1	...	105.7	—29.5	
1931-1932 ...	49.3	23.5	...	1.4	0.1	74.3	10.5	3.3	94.3	...	108.1	—33.8	
1932-1933 ...	49.3	23.5	7.4	1.1	0.1	81.4	11.8	3.0	96.5	...	111.3	—29.9	
1933-1934 ...	49.2	32.9	11.4	3.9	...	97.4	7.5	4.4	98.2	...	110.1	—12.7	
1934-1935 ...	50.9	33.4	10.9	3.3	...	98.5	9.6	4.2	98.6	...	112.4	—13.9	
1935-1936 ...	50.3	33.4	9.8	2.8	0.1	96.4	9.5	3.8	102.3	20.8	136.4	—40.0	
1936-1937 ...	51.2	32.2	11.8	4.9	0.2	100.3	10.3	3.6	85.2	...	99.1	+1.2	
1937-1938 ...	50.6	34.4	12.4	4.6	0.6	102.6	10.5	3.3	83.1	...	96.9	+5.7	
1938-1939 ...	52.0	34.3	10.4	4.2	0.4	101.3	15.0	3.2	80.9	...	99.1	+2.2	
1939-1940 ...	53.5	37.1	9.9	3.4	0.4	104.3	16.1	3.4	80.2	...	99.7	+4.6	
1940-1941 ...	52.5	35.7	5.4	3.9	0.6	98.1	18.1	3.6	80.3	...	102.0	—3.9	
1941-1942 ...	52.3	36.9	10.0	4.0	0.3	103.5	14.3	3.4	80.0	...	97.7	+5.8	
1942-1943 ...	54.2	24.7	4.1	4.0	0.3	87.3	14.4	3.2	79.6	6.3	103.5	—16.2	
1943-1944 ...	54.7	26.3	10.0	4.0	0.4	95.4	15.2	3.2	79.5	...	97.9	—2.5	
1944-1945 ...	60.0	27.3	10.0	4.4	0.3	102.0	17.3	4.1	78.1	...	99.5	+2.5	
1945-46 ...	60.3	28.4	7.5	4.3	0.5	101.0	20.0	4.4	77.6	...	102.0	—1.0	
1946-47 ...	60.1	30.0	8.6	4.7	0.3	103.7	23.1	4.6	76.6	...	104.3	—0.6	
1947-48	67.9	30.0	9.2	5.5	0.3	112.9	24.2	4.4	77.1	...	105.7	+7.2	
Total to the end of 1947-1948.	1739.6	895.7	148.8	165.4	14.8	2964.3	389.4	121.8	2608.3	32.4	3159.9	—187.6	

*Includes interest paid to Government and the Municipality under Section 68 (1) of the old Act as shown below :—

Year.	Government.	Municipality.	Total.
	Rs.	Rs.	Rs.
1909-10 ...	65,350	41,241	1,06,591
1910-11 ...	46,440	37,841	84,281
1911-12 ...	61,858	37,276	99,134
1912-13 ...	68,194	37,431	1,05,625
1913-14 ...	54,644	27,668	82,312
Total ...	2,96,486	1,81,457	4,77,943

WATER WORKS.

Subject: *Administration Report for the year* 1947-48.

During the year under review Mr. B. P. Surti, B.E., (Mech.), B.Sc. (London), A.C.G.I. (London), M.I.E. (India), held the charge of this department as the Acting Hydraulic Engineer *vice* Mr. E. A. Nadirshah O.B.E., J.P., B.A.,B.E., B.Sc. (Eng.-Edin,), M..I.C.E. (London), M.I.E. (India), F.I.S.E. (London) who was on leave prior to retirement upto 19-2-1948. For the remaining portion of the year Mr. Surti continued as the Hydraulic Engineer as per Corporation Resolution No. 1350, dated the 9th February 1948. I was appointed by the Corporation on 1-3-1948 as the Hydraulic Engineer and I took over charge of the office on 1-4-1948.

2. The Report is arranged under the following heads:—

I.—City Water Supply System.
II.—Supply Statistics.
III.—Lakes and their statistics.
IV.—Outside City Branch.
V.—Distribution Branch.
VI.—Waste Prevention Branch.
VII.—Meter Branch.
VIII.—Maintenance Branch.
IX.—Construction Branch.
X.—Survey and Design Branch.
XI.—Works of Interest.
XII.—Works for Improvement of Distribution System.
XIII.—A. Augmentation of City's Water Supply (Emergency Schemes).
XIII.—B. Augmentation of City's Water Supply (Long term Schemes).
XIV.—General.

I.—CITY WATER SUPPLY SYSTEM.

Sources of Supply.

3. All the areas in the City and the Suburbs except the elevated portions of Malabar Hill, Altamount Road, Carmichael Road and Dongri were supplied water by gravity from the Tansa, Vehar and Tulsi Lakes.

Tansa Lake.

4. The Tansa Lake which forms the main source of the City's Water Supply is situated sixty-six miles by road from Bombay towards North East. The supply brought from the Tansa Lake through the two 72" steel mains and the Duct Line consisting of Syphons, Masonry Duct and Tunnels on average amounted to 93.15 million gallons per da y out of the total supply of 112.33 million gallons per day.

Vehar Lake.

5. The next in importance is the Vehar Lake, which is situated 18 miles by road from Bombay towards North-west. About 15.52 million gallons of water per day was brought from Vehar and was supplied to the whole of the "F" Ward and Kurla.

Tulsi Lake.

6. The Tulsi Lake which is situated to the North-west of the Vehar Lake supplied 3.66 million gallons of water per day.

II.—SUPPLY STATISTICS.

7. The Appendices 2 and 3 give statistics and the quantity of water used for different purposes during the year.

III.—LAKES AND THEIR STATISTICS.

8. The Appendix 4 gives information regarding catchment and lake areas, full supply levels, rainfall overflow, contents of the lakes, evaporation and absortption losses, etc. This year the monsoon was delayed unusually and there was no appreciable rainfall till 15-7-1947 with the result that a considerable anxiety was caused to the Executives. Efforts were immediately made to provide means and ways to untilise the lower contents of the lake (*vide* C. R. No. 493 of 10-7-1947). Also due to low levels of the lake, the total supply of the City was cut down to about 90 million gallons per day from the 3rd week of June 1947 to the middle of July 1947 as a precautionary measure. Fortunately the rains did come and in plenty after some time and the situation was relieved. Appendix 5 shows a graphical record of rainfall for the last sixty one years.

9. The figures of evaporation losses recorded at the lakes for the various months during the year under review are tabulated in Appendix 6.

10. During the period the Tansa Lake was overflowing 521 million gallons of water from that Lake were transferred into the Vehar Lake through the Duct Line. As the capacities of the trunk inlet mains including the duct line are limited and as we were drawing the supply to those full capacities, it was not possible to put into the Vehar Lake more water without affecting the City's Water Supply.

IV.—OUTSIDE CITY BRANCH.

Bursts and Leaks on Trunk Mains.

11. There was no burst on any of the trunk mains in the Outside City Division. There were in all 16 heavy leaks on different mains during the year.

Leaks on the Duct Line.

12. Nine heavy leaks occurred on the duct line and were repaired during the year, the work being carried out departmentally at a cost of Rs. 4,924 The condition of the duct was found to have further deteriorated and at the end of the year it was noticed that there were 11 large and 25 medium sized leaks which remained unattended on account of inadequacy of fund. Corporation have approved the scheme of re-conditioning the duct line at an estimated cost of Rs. 27,18,000 in the year 1941 (*vide* Corporation Resolution No. 1013, dated the 16th January 1941) which was subsequently

revised to Rs. 55.75 lacs, under Vaitarna-cum-Tansa Scheme but no specific provision was made so far for the work pending the development of the Augmentation Scheme. Under the revised Vaitarna Scheme it has been decided to bring about 220 million gallons per day from Vaitarna and Tansa. As a part of the Scheme the duct line will carry 20 million gallons per day. If this is to be achieved reconditioning of duct line will have to be carried out by tackling the heavy leaks immediately. Even then, as the duct line is at present carrying about 20 million gallons per day it is necessary that it should be kept in a perfect condition till the Augmentation Scheme is completed.

Shrubs and Jungle.

13. The work of removing the shrubs and jungle around the leakes and along the old Tansa Duct line was carried out to the extent of funds available at a cost of Rs. 4,924. Besides small shrubs and grass growing on the downstream side of the Tans a Dam were partly removed at a cost of Rs. 1,040.

Painting of Steel Mains.

14. 26,727 R.ft. of steel mains varying in sizes from 50" to 72" were painted in different divisions during the year as per details given below :—

Division.	Size of Main.	Length.
Salsette	57"	2,041 R.ft.
Do.	60"	2,200 ,,
Kasheli	72"	1,920 ,,
Do.	50"	5,070 ,,
Jamboli	72"	11,962 ,,
Mandola	50"	3,534 ,,

The total cost of painting work amounted to Rs. 24,189 which is inclusive of the cost of paint which was reserved for next year's work.

Out of about 118 miles of steel mains in the outside City Division about 72 miles of pipe line has been painted during the last 10 years leaving a balance of about 46 miles to be painted which is mostly 72" dia.

Regrading of Mains.

15. 3,960 R.ft. of 50" lock-bar pipe in Kasheli Division and 1,931 R.ft. of 48" C.I. main in Mandola Division were regraded at a cost of about Rs. 4,552 and 500 R.ft. of 24" Tulsi Main in Salsette Division were regraded at a cost of about Rs. 23,99. Besides, about 1,000 R.ft. of 72" main in mile 7/4 in Jamboli Division was required to be raised as this portion was badly buckled on account of failure of the expansion joint to function during the process of closing of the Tansa out-let-well in connection with the work of " Providing additional out-lets at 375 T.H.D. in the Tansa Dam."

Embankments and culverts.

16. 118 Miles of embankments and cuttings carrying the pipe line and Trolley Track were maintained during the year. The work included repairs to over-bridges (13 Nos.) stone pitching 95,100 sq. ft. earth filling 180,000 C.ft. and making up of the top of the embankment and trimming and regrading of side-slopes 9.45 miles.

Trolley Track.

17. Out of a total length of 81.5 miles of trolley track about 63 miles were maintained.

Diesel Loco-Ivon.

18. The Loco covered 1,920 miles (a total of 55,416 since its purchase). The average cost of haulage including labour and material during the year under report was Rs. 1-5-7 per mile as against 15 As. 10 ps. per mile during the year 1946-47. The reason for increase in rate was due to higher cost of materials, spare parts and labour. The Loco was idle for 264 days in the year on account of spare parts not being easily available for replacment.

Diesel Loco (Rustan Make.)

19. The 44/48 H. P. Diesel loco purchased in the year 1947 was on the track during the year and gave good service. The loco covered 9,275 miles (a total of 9,365 miles since its purchase), being mostly busy on transporting materials to Tansa in connection with the works of lowering the Tansa Outlet, providing automatic shutters, and pumping the lower contents of Tansa lake. The average cost of haulage including labour and material during the year was 7 As. 4 pies. The Loco was not idle during the year.

Cost.

20. The cost of works mentioned under paragraphs 17, 18 and 19 was about Rs. 1,08,437.

Motor Trolleys.

21. Four heavy type and five light type motor trolleys were maintained during the year at a cost of Rs. 15,067. The total mileage covered was 63,284 and the cost per mile after deducting the amount spent for purchase of spare parts works out to about 3 As. 9 Ps.

Tansa Atgaon Road.

22. The Tansa Atgaon Road which links the Bombay Agra Road with Tansa at its mile 58 was maintained by the Forest Department as usual and the cost was shared jointly by the Municipality and the Forest Department.

Sterilization of water supply.

23. (*a*) *General.*—Water was sterilized by Chloramine treatment consisting of ammonium sulphate solution and Liquid Chlorine in case of Tansa, Vehar and Tulsi supplies. The Tansa supply was sterilized at the chlorination plants at Powai and Ghatkopar Cross Connection. The Vehar supply was sterilized at the chlorination plant at Powai. The Tulsi water was sterilized at the Head Works.

Cost.

(*b*) The total expenditure incurred on sterilization of Tansa, Vehar and part of Tulsi Waters including the cost of materials, chemicals, analysis charges, repairs, maintenance and establishment was Rs. 1,43,217. The cost per one thousand and for the one million gallons works out to 0.808 pies and Rs. 4.21, respectively.

(*c*) The cost of sterilization of Tulsi water including the cost of alum, chlorine, ammonium sulphate and labour works out to about Rs. 89 350 (cost shared between Government and the Municipality in proportion to the quantity of water consumed by each of these bodies, out of which a sum of Rs. 29,783 was borne by Government and the balance included in above.

Filtration.

(*d*) No part of the supply was filtered during the year. The work of regrading the filter-beds at Tulsi filters could not be done for want of Specal quality of sand. Government is making arrangements for delivering the same at site.

(*e*) Samples of water from the lakes and the inlet mains were tested at the field laboratory at Powai for the usual analysis in regard to properties, *viz.*, solid contents, alkalinity, PH value etc., thus providing valuable information about the quality of water supplied to the City

Field laboratory.

Tests for residual chlorine were also taken at Sion, Thana Road, Powai, Ghatkopar and Bandra and the doses of chlorine adjusted according to the needs.

(*f*) In order to maintain the required standard of residual chlorine in the water mains inside the City an extra dose of chlorine was injected into the Malabar Hill and Bhandarwada Hill Reservoirs. At the Malabar Hill Reservoir the extra dose was injected by the gravity type injector chlorinator installed in 1943-44 by Messrs. Candy Filters (India), Ltd. and at Bhandarwada Hill Reservoir by a pressure type plant installed in 1946-47 by the same firm.

Rechlorination.

About 13,500 lbs. of chlorine were consumed for chlorination purposes in the inside city as against 11,963 lbs. of chlorine during the preceeding year. About 35 rechlorinating jobs were carried out by portable chlorinating sets for the mains which did not show good results on analysis. This is inclusive of the rechlorination jobs undertaken on behalf of the Military Authorities at the instance of the Garrison Engineer, for the Military Camps at Worli and Colaba. The cost of the former was entirely borne by Government whereas in the latter case only chlorine was supplied by Government.

24. Fortnightly bacteriological and chemical tests of water after chlorinatin from trunk mains outside the City and occasional tests from trunk mains in the city were carried out throughout the year by the Municipal analyst. In all 760 samples were taken from various points on the trunk mains within and outside the city. The results show that out of 760 samples 747 samples gave negative reaction of B. Coli in 100 whereas 13 samples gave positive reaction in 5. Most of the bad samples were taken from house connections and the contamination was likely to be due to local causes. The mains in these localities were flushed and chlorinated by portable chlorinators. Out of 760 samples 86 samples were taken from mains which supply water to the Bombay Port Trust Area. The expenditure under this item was met from the grant under Chlorination. It will be seen that the high standard of purity as laid down by the Ministry of Health in England continued to be maintained during the year.

Bacteriological and chemical analysis of water.

25. The total number of structures, in charges of this department in the Outside City Division is 110.

Building Repairs.

The following major works were carried out during the year:—

Repairs	4 Nos.
Painting	6 „
Provision of weather sheds	3 „
Repairs and painting	10 „
Total ..	23 Nos.

26. Out of the nine venturi-meters for recording the discharge of water through various trunk inlet mains in the Outside City Division six were maintained in working condition. The venturi-meters on the 32″ and 24″ Vehar and 48″ Old Tansa which are not in order and are to be replaced were not in commission during the year.

Venturi Meters.

As some of the venturi meters heve been in service for over 30 years, the Corporation has sanctioned their replacement by new ones. An order for supply of two venturi meters suitable for 48″ and 32″ mains was placed in the year 1946-47 with Messrs. W.H. Brady& Co. together wih another order for supply of 7 short venturi-tubes for providing on some of the inlets and outlets of the Malabar Hill and Bhandarwada Hill Reservoirs. But the meters were not supplied even during the year 1947-48. Tenders were invited for two more 24″ venturi-meters and the offer of the same firm was recommended for acceptance. Meanwhile as the discharge through the 48″ New Tansa Main was found exceeding the maximum range of the venturi meter chart, the instrument was switched over to the 48″ Old Tansa main at Kutchra Cabin.

27. Seven gardens in the Outside City Division, *viz.*, at Tansa, Vehar, Tulsi, Powai, Vehar Bungalow Ghatkopar Cross-connection and Ghatkopar Yard were maintained during the year.

Gardens.

28. The number of visitors to the two lakes, *viz.*, Tansa and Vehar were about 500 and 47,500, respectively, *i.e.*, an increase of about 75 per cent. on the total figure for the last year.

Visitors at the lakes.

The bungalows at Vehar and Tansa were booked on almost all Sundays and Holidays by Councillors and the members of the staff. The upper bungalow at Tanasa was occupied by the Contractors for the construction of automatic shutters on the waste weir at Tansa. As there is considerable construction activity at Tansa it is found that the existing bungalows are inadequate to house the visitors and the staff on duty. The work of erecting additional staff quarters having two units, each consisting of a 3 room block was taken in hand during the year.

29. The campaign to prevent trespass in the catchment areas of the lakes was continued during the year and 400 and 200 heads of cattle were impounded at Tansa and Vehar, respectively. As there is no suitable cattle pound near the Tansa Lake, the proposal of providing one at a cost of Rs. 1,875 on the west of the Tansa duct line at mile 0/2 has been approved by the Corporation. The land for the proposed cattle pound near Tansa Lake has been deforested, and arrangements are under way for taking it over by the Municipality.

Campaign against trespass.

About 700 heads of cattle were impounded along the trolley track.

30. Details of rainfall and river gaugings, are given in Appendix 7.

Vaitarna Gaugings.

31. The cost of materials for general works and repairs Outside Bombay for items in paragraph 13, 14 and 32 was Rs. 15,731

Cost of Repairs.

Lighting Sets.

32. The lighting set at Tansa installed in 1932 was maintained in working condition throughout the year. It has spent its useful life and it is time that it should be replaced by another one of higher capacity. The old lighting set at Powai could not be worked economically for want of storage batteries. An order for supply of 20 cells was placed with Mesrs. Standard Batteries, Ltd. who delivered the cells in April 1948, and the work of installing them was taken up thereafter.

Extra-ordinary Works.

33. The following extra-ordinary works were carried out from different grants for Repairs and Maintenance.

Serial No.	Work.	Cost in Rs.
1	28 Cwts. of copper sulphate and 200 Nos. of Gourami fish were supplied to Vehar Lake to restrict the growth of Algae	2,111
2	Repairs to Embankments—	
	(*a*) Between Rasiwalla Bridge and Thana Road Crossing	3,476
	(*b*) Near Marol Maroshi Bridge	3,797
	(*c*) Syphon No. 6	6,721
3	Patch plating steel mains (400 S.ft. of patchplates)	2,494
4	Strengthening 10 Expansion Joints	4,625
5	Strainers for Tulsi Lake (Past-Work)	3,107
6	Repairs to Tansa Dam down-stream side below the Waste Weir (1,400 R.ft.) ..	5,181
7	Flattening the side slopes along Trolley Track and pipe line in Jamboli Division ..	4,659
8	Repairs to Solution tank at Bhandup	Nil.
9	Repairs to 5 culverts—	
	(*a*) In Mile 5/1	3,273
	(*b*) Do. 7/2	8,753
	(*c*) Do. 7/5	6,710
	(*d*) Do. 18/3	4,938
	(*e*) Do. 28/2	4,876
10	Earth filling between Rasiwalla Bridge and G. I.P. Railway culvert (North of 48" Vehar Line)	3,000
11	Repairs to Bank of Nalla behind Ghatklpar Store Yard	7,168
12	Remodelling three sluice gate houses (two at Newada and one at Ghatkopar Syphon).	900
13	Chimneys in Staff Quarters (31 Nos.)	1,394

Medical Aid.

34. The scheme of rendering medical aid started in the year 1945 with a medical officer and a dispensary peon was continued during the present year. A temporary post of a compounder was created to help the Medical Officer as his activities had considerably increased. The compounder was provided with free quarters so that his services could be available to the former at any time during the day and night to attend to casualties or emergent cases (*vide* Standing Committee Resolution No. 923, dated the 12th September 1947). Full advantage was taken by the members of the staff of the Central Dispensary at Ghatkopar.

The stations in the northern division were visited once or twice a week as per requirements. The total number of patients treated during the year were 3,745 in Salsette Division and 1,467 in the North Divisions.

Majority of the patients required treatment against Malaria. Next in order were the cases of skin diseases such as Scabies, Ring-wrom, eczema, etc. Medical aid was often required to be sought for treating injury cases resulting from accidents on works, collision of troleys, etc. During the year about 20 persons, were required to be sent to K. E. M. Hospital for treatment.

Anti-Malaria Work.

(*a*) Staff consisting of a Mistry and 6 labourers continued the anti-malaria work during the year. The work done consisted of drainage of water collections and pits, inspection of breeding places collection of mosquitoes for identification, treatment of stagnant pools by anti-malaria oils, spraying D.D.T. Solution in residential quarters and offices, distribution of Pallutrin, Mepacrine and other anti-malaria drugs, circulation of anti-malaria literature and posters, and general education of the labour staff for protection against malaria. From time to time circulars were issued to the divisional Inspectors expounding measures for the prevention of malaria during the different seasons.

Travelling dispensary.

(*b*) In the absence of a special trolley and a trailer for the travelling dispensary great difficulty continued to be felt for the transport of the medical officer and his personnel. From the provision available in the previous year's Budget for the purchase of a travelling dispenary, a trailer car was brought from Messrs. Sam Ruston and Co. at a cost of Rs. 3,300. Quotations for purchase of a suitable engine for this unit were being invited.

First-Aid.

(*c*) About a dozen first aid boxes were maintained at different stations and at various works under the charge of the medical officer. Instructions in first aid treatment were given to some members of the staff.

Laboratory.

(*d*) A laboratory for examination of blood, urine and sputum, with the necessary implements which started in the previous year, at Ghatkopar Dispensary on a small sacale continued to work, Major cases of examination were sent to the K. E. M. Hospital.

Scouring of mains in the Outside City Division.

35. Except for a period of 4 to 5 months in the hot season when the lake levels were low and the water was required to be conserved to meet the requiements of the City the trunk mains were scoured once every month in order to prevent accumulation of dirt.

In case of the Tulsi main, in addition to the routine scouring the main was scoured daily for about 10 minutes at Bandra Sluice-House, owing to the peculiar property of Tulsi water which readily causes incrustation inside the mains if allowed to stagnate even for short periods.

V.—DISTRIBUTION BRANCH.

Distribution.

36. For the purpose of distribution of water, the City was divided into three main divisions. (*vide* Appendix 8)

(*i*) South and part of West (coloured blue and orange)
(*ii*) Part of East (coloured yellow and mauve) and
(*iii*) Part of East, Part of West and North (colour green, pink and brown).

The area under (*i*) is served by the Malabar Hill Reservoir which has a storage capacity of 30.5 million gallons. The high level areas of Ridge Road, Carmichael Road and Altamount Road (coloured orange) were served from the 60,000 gallons capacity elevated tank at Malabar Hill Reservoir to which water is pumped by five electrically driven pumps (three of 40 Horse Power each and two of 26 Horse Power each) situated in the basement of the Control Room.

The area under (*ii*) was served by the Bhandarwada Hill Reservoir which has a storage capacity of 20 million gallons. For the high level localities of Dongri and Mandvi (coloured mauve) the pressure was boosted up by two electrically driven pumps of 75 Horse Power each situated in the basement of the Control Room at the Bhandarwada Hill Reservoir.

The area under (*iii*) was served directly from the trunk mains in the absence of service Reservoirs. In connection with the scheme of providing Balancing Reservoirs on the Worli and the Rowli Hills to serve the North of the Island detailed survey was carried out last year. An estimate amounting to Rs. 1.66 crores was submitted to M. C. The matter has been postponed pending decision on the Augmentation Scheme, as this is a major work.

To bring as much water as possible to the Malabar Hill Reservoir, the 72″>57″>36″ east Tansa main was kept entirely isolated from the Tansa Lake to the Malabar Hill Reservoir. It brought 28 to 33 million gallons per day according to the level of the lake. The 72″>57″ west main is drawn upon to the extent of about 23 million gallons per day, out of which about 20 million gallons are supplied directly at various places in the City particularly for the west portion of the North of the Island (coloured Green) while the remaining quantity of about 3 million gallons was taken to the Malabar Hill Reservoir from this main. The 48″>36″ New Tansa Main supplied about 17 million gallons per day to the Bhandarwada Hill Reservoir and about three million gallons per day (additional)to Parel Village Area through the 18″ main in King Edward Road and East of F Wards. The 48″ Old Tansa Main and the 32″ and 24″ Vehar mains supplied about 20 million and 15 million gallons per day of water respectively to the east portion of the North of the City (coloured pink and brown respectively).

Hours of Supply and quantity per day.

37. The Tansa Lake had stopped overflowing on 7-10-1947 and on an average 112 million gallons of water were supplied per day from 1-11-1947 to the end of the year. The differedt localities were supplied water as shown in Appendix 9. The hours of supply were nine. As regards supply before the commencement of the rainy reason please *vide* paragraph 8.

Fire attendance.

38. The total number of calls received from the Fire Brigade Department was 989 as against 1,500 last year and were promptly attended to by the Distribution Staff. Out of these 293 calls were false, and 5 were on accout of collapse of houses. The total quantity of water used on fires and on the way was about 4.6 million gallons.

Control System.

39. The distribution of water to all parts of the City as well as for extinguishing fires was controlled at the Babula Tank Control Station under the direct instructions of the Assistant Engineer, Ditsribution Branch. The Babula Tank Control Station was manned continuously for 24 hours of the day and all variations in pressures, supply and heights in the reservoirs were recorded thereat every half an hour. The manipulation of different inlet and outlet sluices in the different wards for regulation of supply from the trunk and distributory mains was carried out by the staff stationed at reservoirs and at the different wards as per instructions issued to them by the Babula Tank Control Station. All complaints, etc., given on Telephone by the General Public in connection with water supply and for wastage of water were received and transmitted to the different wards for action by the Babula Tank Control Station.

Sub-control stations were maintained at Futka Tank and Matunga, for regulating water supply from the trunk mains in case of fire and other emergencies particularly in the North of the Island. Three additional Sub-Control Stations were maintained, one at Lady Hardinge Road and the other at Gokhale Road South in G Ward for regulating the supply to the G Ward Area (Coloured green, Appendix 8) in case of emergency and for daily supply, and one at Clerk Road opposite the entrance to the Race Course for regulating the water supply to the Pedder Road, Carmichael Road, etc., localities.

A similar Sub-Control Station at Kalachowky for the operation of sluice valves, with a view to boosting pressures in Sewree and Cotton Green Area in case of emergencies has been approved : but it is not yet installed for want of funds. However, control operations are already in force, with the help of a staff of 3 Sluicemen and 3 labourers, who are stationed in F Ward Office for the present.

All Ward Offices, Sub-Control Stations and Reservoirs, are connected by telephones (direct lines) with the Babula Tank Control Station which is manned day and night by 3 Sub-Overseers who remained on duty in shifts of 8 hours each.

Fountains, Cattle troughs and wells.

40. 81 Drinking fountains, 17 cattle troughs, 39 drinking fountains and cattle troughs combined, 60 stand post pipes, 2 dipping wells and 18 Municipal wells (15 hermetically sealed and from 3 water used for public) were mainatained during the year.

Gardens.

41. (*a*) The garden along the slopes of Gibbs and Ridge Roads (known as Hanging Gardens) Sir Pherozeshah Mehta Gardens on the top of the Malabar Hill Reservior, Joseph Baptista Gardens on the top of the Bhandarwada Hill Reservoir, and Ladies' and Children's Gardens at Ridge Road were maintained during the year at a cost of Rs. 21,406

(*b*) During the year under review a statue of Seth Anandilal Podar was erected on the south side of Sir Pherozeshah Mehta Gardens facing the Gibbs Road. Simiarly, another statue in memory of Sir Jamshedji Jijibhoy was erected in Hughes Road slope Gardens at Kemp's Corner.

(c) The post of Inspector Gardens which was temporarily created in October 1946 has now been brought on the permanent schedule.

(*d*) The number of visitors coming to the gardens has increased enormously. It is, however, regretful to note, that the public do not appear to have appreciated the neatness of the Gardens as may be seen from the litter daily scattered all over the lawns. In order to stop this evil, warning boards prohibiting the throwing of litter are being put up at prominent sites in the garden.

(e) Strict vigilence was kept to stop the nuisance of hawkers entering the gardens or selling their goods in the surrounding area. 30 Hawkers, were detected committing the offence during the year and handed over to the police and were fined from Rs. 2 to Rs. 10 in the Court of Hon. Presidency Magistrates.

Nuisance of Hawkers at the Gardens.

42. The Annual Vegetable, Fruit and Flower show at which the gardens in charge of this department have featured so prominently in the past, could not be held this year, owing to Mahatma Gandhi's assassination.

Vegetable Fruit and Flower Show.

43. The number of short supply complaints received and attended to during the year was 4,782. The number of short supply complaints received and attended to month by month for the past 14 years is given in Appendix 10. The increase in the number of complaints in recent years is particularly due to the following two reasons :—

Short Supply Complaints.

(1) The rise in the City's population by almost 100 percent. and (2) though the population has increased the quantity of supply has remained the same. During the year under review, a further factor that aggravated the situation was that, the maximum level in the Vehar Lake was about 2½ ft. below that in previous year and the Vehar Lake supply had therefore to be curtailed to about 12 million gallons per day against 16 to 18 million gallons per day last year.

44. The number of cases reported to the Standing Committee for severing water connections for non-payment of taxes was 94 as against 64 in the previous year. Disconnection orders, were, however, issued in 93 cases only out of which in 62 cases they were not enforced owing to the requirements having been complied with. In 31 cases supply was closed and in all cases it was restored on compliance with the requirements.

Orders for disconnections of water supply.

45. On receipt of short supply complaints, when it was observed that they were due to insufficient number and size of connections, storage, pumping arrangement, etc., suggestions were made to the owners in 169 cases. The Municipal Commissioner's notices under Section 271(2) and 274(1) of the Municipal Act were issued in 145, cases, and prosecutions were launched in 509 cases. The number of convictions were 152, and 274 cases were withdrawn after compliance with the notices or part thereof and 83 were pending decision. The total amount of fines recovered was Rs. 4,082. Enforcement of Municipal requisitions for the improvement of supply under Section 271(2) and 274(1) was not pressed in several cases due to acute shortage of materials , for the same reason, several court actions were withdrawn at the direction of the Court.

Notices and Prosecutions

Since 1-3-1947 Municipal cases are tried before the Presidency Magistrates in 5 Courts, *viz.*, (1) Esplanade (2) Girgaum, (3) Mazagaor, (4) Dadar and (5) Worli instead of before Hon. Magistrates and owing to the increased volume of work, the need for a special staff for court work is greatly felt and proposals for this are under consideration.

Besides 7,764 notices were served on the owners for defects in water fittings of private premises and notices for infringement of the provisions of the Municipal Act and for violation of the Bye-laws relating to Water Works during the year under report. More notices could not be issued during the year due to disturbed conditions prevailing in the City. Arising out of these notices, 293 prosecutions were launched before the Presidency Magistrates and the number of convictions was 101 and the amount of fines recover ed was Rs. 2,292 which works out to about Rs. 20 per conviction.

46. Though, during the year there were practically no major communal disturbances during the months of September and October 1947 there was panic in the City and the staff in charge of regulation of supply had to be transport ed to their work at night in Municipal Lorries accompanied by the Police.

Disturbances.

47. Due to the increase of work in the Distribution Branch, proposals for splitting up F and G Wards into 2 divisions each were approved by the Corporation (*vide* Corporation Resolution No. 776, dated the 13th October 1947) and the posts of 2 Inspectors assisted by 2 Overseers each have been created. Proposals for similar splitting up of A, D and E Wards are under consideration.

Distribution work of F and G Wards sub-divided.

VI.—WASTE PREVENTION BRANCH.

48. Due to disturbances in the City the total length of mains over 9" in size tested was only about 20 miles against 27 miles during the previous year. One gang of the W. P. Branch was utilised for assiting the staff of the Distribution Branch for opening and closing of sluices in D Ward. The total cost of testing and investigating leaks during the year was about Rs.

Testing of mains by Deacon Meter and Sounding.

49. In order to check wastage in private premises, early morning house to house inspection was daily carried out according to a regular programme. The results were satistfactory but it must be stated that the inadequacy of the staff does not permit of tackling of the problem of this type of wastage with the intensity that it required, so as to make it effective.

Checking wastage in private premises.

As a result of the above inspection, defect notices were served on the owners and occupants of premises for stopping wastage. Most of the notices were promptly attended to.

Re-washering staff.

50. As a further step to check the wastage in private premises, a staff consisting of 2 Overseers and 14 muccadams was temporarily appointed as an experimental measure, since October 1947, for inspecting and rewahsering leaky taps .This is a free service. The staff works according to a Scheduled Programme, so as to cover the whole of the City in the first instance. On completion a fresh programme will be drawn up, so as to pay greater attention to those parts of the City where most wastage has been observed.

Results.

Results have been encouraging and generally the Public have welcomed the service, there has been a certain amount of opposition from some quarters, as in the course of inspection, several unauthorised works have been detected from time to time.

Advantage has been taken to prepare statistics of the number of taps existing in the City: it is also observed that about 10 to 12 per cent. of the number of taps require re-washering (*vide* appendix 11). This work is in addition to the routine re-washering done by the Distribution Staff as and when required.

The wastage stopped, and the educative value of the work to the public more than justified the expenditure incurred on this special staff. Proposals, extending the term of the staff for another year have been sanctioned by the Corporation. However, this type of work must be made a pemanent feature of this Department and it is necessary to increase the staff so that wastage through leaky taps can be effectively stopped.

Defects in water mains.

51. 21,136 Defects in the Distribution System were detected and repaired, of which 7,619 were under ground and 13,517 above ground, Particulars of defects detected and remedied, the number of diagrams taken and wastage checked during the year is given in Appendix 12.

Misuse of Hydrants.

52. Unauthorised openings of road hydrants, due to the congestion and influx of refugees in the City has been recently further aggravated, It is observed that the practice of opening the road hydrants with crude implements is on the increase and much wastage occurs. The limited staff at the disposal of this Section cannot adequately stop this malpractice, Further, as evidence cannot be furnished, unless offenders are arrested onspot, the Commissioner of Police has been requested to co-operate with this department to effect such arrests. Proposals are also under consideration for appointing special additional staff to deal with this problem. As a temporary measure hydrants which are found constantly tampered with, are closed on the lower valves. Proposals are also under way for replacing fire hydrants in the City by new pattern types, which cannot be easily tampered with.

VII.—METER BRANCH.

Revenue and staff.

53. The total revenue derived from water supplied by meter measurement was about Rs. 87,48,000 during the year, which shows a net decrease of about Rs. 6,12,000 over the last year This is mainly due to the following reasons:—

(1) Reduction of the rate from Rs. 1-8-0 per 1,000 gallons last year to Rs. 1-1-0 for water supplied to the Mills and dyeing and bleaching concerns.

(2) Reduction of rate in respect of the Race Course from Rs. 3 to Rs. 2 per 1,000 gallns.

(3) Most of the Military premises which were supplied water by meter measurement have been returned to the private owners and water tax on value is being recovered. However, due to rigid inspection by the Meter Staff, the revenue could be maintained at a sufficiently high level. The increase in revenue on account of new meters fixed on various trade concerns which were formerly unmetered, and on account of meters exchanged for periodical tests amouneted to about Rs. 1,04,800 against Rs. 96,000 last year. The need for the ad ditiona staff is keenly felt and proposals to this effect are under consideration.

Meters.

54. 2,753 Meters of sizes varying from ½" to 8" were maintained from the grant under Meters during the year at a total cost of Rs. 27,802 which includes the cost of maintaining Venturi Meters. 818 meters were exchanged and 816 meters were repaired during the year 44 Meters were fixed on new connections and 40 meters were removed from the existing connections as either the properties fed through these were charged on valuation basis or because it was more profitable to do so or because the Military Authorities have removed the temporary hutments used as camps. Due to the difficulty of getting new meters as well as spare parts for repairs, small trade concerns had to remain unmetered, as preferences had to be given to those concerns where the use of meters could result in a larger revenue to the Municipality. However, efforts are being made to see that as many of these cases as possible get a metered supply. For the same reasons 44 connections were charged on their discharing capacity.

VIII.—MAINTENANCE BRANCH.

Maintenance of Pumping Engines and Plant at the Reservoir.

55. 13 Pumping sets (8 at Malabar Hill Reservoir and 5 at Bhandarwada Hill Reservoir) were maintained at Malabar Hill and Bhandarwada Hill Reservoirs during the year at a total cost of Rs. 15,790.

Maintenance of water Mains and number of Bursts.

56. 393.144 miles of water mains were maintained during the year. There were ten bursts on various mains as per details given in Appendix 13 which were repaired promptly In addition to this, 16,990 works pertaining to repairs to communication pipes, fire hydrants, road surface boxes cleaning of chokes in service pipes, etc., were carried out. The cost of materials was met from the grant for Materials for General Works and Repairs in Bombay and that of labour from the Establishment grant.

Number of water connections.

57. The total number of water connections to different premises in the City was 53,470, *i.e.*, a net increase of 827 over the last year's number. The number of new water connections made by the Maintenance Branch during the year was 873 against 561 during the preceding year. 46 connections were disconnected on account of the demolition of old buildings and for various other reasons.

58. The total number of structures inside the City in charge of this department is 40. The following major jobs were carried out during the year:—

Repairs to Buildings.

Repairs	26 Nos.
Painting	11 „
Provision of weather sheds	2 „
Repairs and Painting	1 No.
	40 Nos.

59. 5,525 trenches, each varying in length from 5' to 100' were excavated for trial pits and for general repairs and maintenance works all over the City.

Trenches.

60. Nine Motor Lorries and 23 hand trucks were maintained during the year for transport of materials, etc., at a cost of about Rs. 13,137. The total mileage covered by the Motor lorries during the year was 50,665 miles, the cost per mile was 4·14 annas. Three motor lorries were stationed during the night time for fire service one each at Babula Tank, F Ward, and G Ward Offices. 20 Rubber tyres and 19 tubes were purchased during the year. All the motor vehicles belonging to the Water Works Department were granted Essentiality permit E(*a*) under Section 7 of the Motor Vehicles Spare Parts Control Order (1943).

Transport.

61. The testing of galvanised iron pipes (½" to 4") cast iron pipes (3" to 48"), galvanized iron fittings such as couplings, bends, tees, elbows, etc., brass and gunmetal fittings, such as ferrules stop and bib-taps, waste-not taps, ball taps, pillar taps, globe taps, sluice valves of sizes, underground and standpost hydrants, cast iron and porcelain water-closet cisterns with their fittings, canvas hose pipes, etc., was carried out during the year at the Water Works Workshop, Chinchpokli. The total number of such pipes and fittings tested was 1,08,780 (77,176 from private, parties and 31,064 pertaining to Municipal works). The revenue derived from the testing of pipes, fittings etc., sent by private parties amounted to Rs. 6,748.

Testing of Water Fittings.

62. During the year about 1,970 Municipal meters of different sizes were tested. In addition to this 160 meters were submitted by private parties for test of which 135 were passed and sealed and the remaining were rejected. The revenue derived from testing of water meters submitted by private parties amounted to Rs. 835.

Repairs and Testing of Meters.

63. During the year about 4,532 meters as per details given below were repaired at a cost of Rs. 27,802 The cost of materials was met from the grant under "C" Meter (*b*) Spare Parts and that of labourfrom Establishment.

Nature of repairs.	Nos.
(1) Replacement or removal of worn out or damaged parts and overhauling of meters in the Yard.	816
(2) Cleaning of dials	1,917
(3) Renewal of dial glasses	82
(4) Cleaning of meter strainers	1,098
(5) Repairs to leaks	390
(6) Repairs to meter chambers	194
(7) Renewal of locks	35

64. A staff consisting of one Overseer, two Plumbers and six labourers was continued during the year on the temporary establishment for cleaning communication pipes between the Municipal mains and the stop taps in F and G Wards. About 2,070 connections were cleaned (*vide* appendix 14).

Chokes in Communication Pipes.

65. As there were many complaints being received due to chokes in consumer's pipes and fittings in the Dadar-Matunga Area which is supplied water from the Vehar Lake, theCorporation had sanctioned funds for the work of cleaning consumer's pipes and fittings beyond the stop tap in this area. The work was continued during the year and 755 connections aggregating to 2,95, 144 running feet of consumer's pipes of different sizes were cleaned at a cost of Rs. 7,071 (*vide* appendix 15).

Cleaning of Consumer's pipes and Fittings in Dadar-Matunga Estates.

66. A staff comprising of one Overseer, one Mistry two Plumbers and six labourers appointed in 1943-44 was continued during the year on temporary establishment for periodical cleaning of meter strainers. Accordingly, 1,222 meter strainers were cleaned. It was found that on account of the periodical cleaning of meter strainers, the number of complaints on account of chokage of meters was considerably reduced.

Cleansing of meter Strainers.

67. The total cost of materials under the head 'Materials for General Works and Repairs in Bombay amounted to about Rs. 51,906

Cost of Maintenance Works.

IX.—CONSTRUCTION BRANCH.

(Loan and Other Works).

68. For improving water supply in the City water mains were laid and works carried out as per details given below:—

Laying new mains and other works.

From loan funds, 195 R.ft. of 36", 94 R.ft. of 24", 895 R.ft. of 18", 371 R.ft. of 15", 3,909 R.ft. of 12", 5,549 R.ft. of 9", 10,933 R.ft. of 6", 36 R.ft. of 5", 13 Rf.t. 4", 1,762 R.ft. o f 3" mains were laid: 200 S. P. hydrants, 1 N. P. Hydrant, 3 Air valve and 15 Pressure gauge boxes were installed: 285 House connections were transferred to new mains. A 3" water main with appertinances was laid in the Bandra Slaughter House for the Sister Department of Marktes and Slaughter Houses.

69. Two new works were carried out during the year, to improve water supply in Napean Sea Face and Warden Road locality a 24" S.V. was provided at Clerk Road last year. To operate this and other sluices in the locality at regular hours of supply and also on immergent occasions, housing accommodation for sluicemen was absolutely necessary; therefore a 3 unit chawl was accordingly constructed at the site this year.

New Works.

The other work was the construction of a covered drain 300 ft. along along the eastern slope of the Malabar Hill, for leading scour water from Malabar Hill Reservoir to the underground storm water drain at Dady-seth Road. There was no regularly built up drain, and the water ran down the side of the hill which choked the S.W. drain with earth, stones, tree leaves, etc., with the result that water spread on the Road. The scouring was therefore a long and tedious operation and often a source of inconvenience to the public of the locality.

The cost of this drain work amounted to Rs. 1520.

Works carried out on behalf of Private Parties.

70. Pipe laying works for two private parties (at parties' cost) were carried out during the year. A 5" main inside the premises was laid, and two 4" connections from the Municipal main were made for the Jai Hind Housing Society at Cathedral Street, Junction, Bhaskar Street. A 5" pipe line with 5" connection with the Municipal water main in Babula Tank Road was laid for the servants quarters of the J. J. Group of Hopitals for Government of Bombay.

Extra ordinary Repairs.

71. There is a 15" water main in Carol Road running under the Railway Tracks of both the G. I. P. and the B. B. & C. I. Railway Companies. Due to difficulties of maintaining water supply on both the sides in case of a break down of the pipe line within the Railway premises; the work of laying an alterantive connection along the Elphinstone Bridge was in progress at the end of the year.

Complaints were received from the B. P. T. regarding the purity of water supply from the 24" water main in Frere Road. It was suspected that some contamination may be occurring due to loose joints in the pipe line which was shaken so violently during the explosion of 1944. It was decided to inspect and re do the joints along the entire Frere Road. As the cost of road opening and repairs would form a large portion of the estimate, it was decided, to carry out this work simultaneously with the work of reconstructing the road, so as to keep the cost down. As on account of difficulty in obtaining materials the road work could not be done, the departmental work had also to be postponed. Part provision for this work was Rs. 25,000 during the year.

X.—SURVEY AND DESIGN BRANCH.

Preparation of plans and Estimates.

72. Several Schemes for the improvement of water supply of the City were designed during the year 117 estimates for provision and enlargement of water mains and other works amounting to over Rs. 46 lakhs were prepared during the year, out of which plans and estimates amounting to about Rs. 2 lakhs were sanctioned by the Corporation. The numberof tracings and blue prints prepared during the year was 107 and 700, respectively. The number of blue prints and copies on duplicating machine taken out during the year was 2,500 and 14,000, respectively.

Compounded water charge for water used for building purposes.

73. 768 Cases of compounded water charge for water used for the purposes of construction were framed as against 586 in the preceding year, resulting in a total revenue of about Rs. 48,670 against Rs. 37,880 in the preceding year.

Library.

74. A library, consisting of Engineering and other technical books, reports of Experts, periodicals and journals on technical subjects and other books of reference was maintained. Total number of books on the list is 320 out of which 8 were added during the year under report.

Records.

75. Statements and reports for (1) Lake Levels, (2) Storage of water in lakes, (3) Discharge through trunk mains, (4) Rainfall in different districts (5) Leaks in the Tansa Dam, (6) Bacteriological and Chemical analysis of water, (7) Temperature of water, (8) Short supply complaints, (9) Chlorine and ammonia dosage, (10) Exhaust water from hydrostats, (11) Pressure charts, (12) Venturi Meter discharges and (13) Lake and outlet well level diagrams, were maintained during the year under report and the statements for Nos. (1), (2), (3) and (4) were submitted to the Corporation every month and during the monsoon every week.

XI.—WORKS OF INTEREST.

The elevated reinforced cement concrete tank at Bhandarwada Hill Reservoir.

76. The 1¼ million gallons R.C.C. Reservoir constructed at Bhandarwada Hill by the Contractors Messrs. Dahanukar & Sons was practically completed in 1943-44. On taking a water test before guniting it was found heavily leaking. After protracted correspondance with the Contractors regarding their liability, a compromise has now been reached The tank will be made water proof by laying an additional thicker floor, and strengthening the walls from inside. The cost of this additional work (Rs. 93,394) will be born. equally by the Contractors and the Municipality. Due to non-availability of steel this work could not be take-in hand during the year.

Encasing the 57" steel mains in Sleater Road.

77. In the original scheme a total of 4,680 R.ft. two of the57" steel mains have to be encased with 2" thick reinforced gunite at an estimated cost of about Rs. 3,72,800. Out of this a total length of 4,008 R.ft. (2 pipes) was completed upto the end of the last year at a cost of about Rs. 2,88,000. Due to the increased cost of materials and labour it was not possible to complete the remaining work within the balance of the sanctioned amount.

These mains are at about 17'-0" depth and hence considerable excavation has to be made for exposing them. The road width being narrow very little space is left for the traffic, and inconvenience is caused to the inhabitants of the locality. To minimise this, inconvenience it was decided to carry out the whole of the remaining work in one operation after obtaining sufficient funds. The funds were made available at the close of the year and hence no work could be done during the year under report.

Encasing the 57" steel mains in Tulsi Pipe Line Road.

78. The work under the contract of the previous year was continued and completed and a length of 480 R.ft. of pipes was treated with reinforced gunite during the year. 1,388 R.ft. of 57" pipes have so far been treated at a total cost of Rs. 71,854

Acquisition of Khardi Village.

79. The site of the Khardi Village which falls within the catchment area of the Tansa Lake has not been acquired as yet. The Corporation has sanctioned the payment of Rs. 1,20,000 to the Government towards the provision of the Water supply to the new site.

80. A provision of Rs. 50,000 was available in the budget for continuing the work during the year. From this amount 110 blocks were constructed under 57" East and West Tansa mains between Mahim and Khar-Road in Salesette Division. Since 1942-43, 680 blocks have been constructed, covering a distance of about 3.35 miles. About 88,000 C.ft. of excavation was made to open out the lower portion of the pipes for painting and about 8,020 C.ft. of pitching with pointing was provided on the excavated sides. The cost of the work carried out during the year, amounted to Rs. 60,015.

Providing concrete blocks under steel mains in the Outside City Division.

Under this scheme about 12,700 concrete blocks are to be provided, against which only 680 blocks are laid during the last five years which shows that the provision made in the Budget for the work is too inadequate.

81. The work of constructing this bridge sanctioned under Corporation Resolution No. 460, dated the 7th September 1944 was entrusted to Messrs. Garlick and Co. under a contract for Rs. 57,000. The Bridge which is all welded bow-string girder was fabricated by the contractor under Municipal supervision, the work being completed on 30-12-1947. The steel work was painted with a base coat of red oxide of lead and a covering coat of graphite. Towards the end of the year the work of relaying the 24" main over the bridge was in progress. The old bridge was dismantled and the old piers were abandoned.

Tulsi Pipe Bridge across Bandra Creek.

82. From the provision of Rs. 25,000 provided in the Budget for the work, four concrete piers supporting the superstructure of the North Kasheli Bridge carrying, the 72" steel piepe and the road—way (Bombay Agra Road) were repaired, and the submerged parts strengthened by providing rubble filling and grouting with cement and sand so as to provided thorough protection to the lower parts of the piers exposed due to the scouring action of tidal water and under-currents of the sea which are particularly strong during the monsoon. On account of shortage of cement, the work was carried out to the extent of about Rs. 5,000 only. A portion of the provision is reserved for the purchase of barges, diving equipment and hiring the services of a diver for carrying out the work in deep waters.

Stengthening the sub merged parts of the New Kalsheli Bridges.

83. The work is under progress. A big amount of rock cutting still remained as the air compressor which was used on this job was transferred to the Tansa works where it was urgently required. To replace the air-compressor, two warsop rock—drilling machines were purchased at a cost of Rs. 2,547 each from Messrs. Garlick and Co. Being small portable machines, the progress of rock-cutting was slow. A 6' masonry culvert was built over a nallah and 1,200 R.ft. of trolley track was laid over the new formation.

Diverting and re-grading the Tulsi Trolley Track.

84. Under Corporation Resolution No. 25, dated the 11th April 1946 a scheme for constructing quarters for the emergency gangs, at places mentioned below, working in Outside City Division has been sanctioned at an estimated cost of Rs. 1,65,500.

Providing Housing Accommodation for the Emergency Gang working in Outside City Division.

(1)	6	Unit quarters at	Bhoranda.
(2)	6	Do.	Mohili.
(3)	9	Do.	Andheri-Marol.
(4)	9	Do.	Mulund Anchor Block.
(5)	9	Do.	Pachapur.
(6)	2	Do.	Ghatkopar Cross Connection.
(7)	2	Do.	Gundavli Sluice House.
(8)	2	Do.	Tarali.
(9)	2	Do.	Chinchavli.
(10)	2	Do.	Kapurbawdi.
(11)	3	Do.	Kasheli.
(12)	8	Blocks at	Syphon Head.

Out of the above, the units mentioned under items Nos. 3, 6, 8 and 12 were constructed before the commencement of the year ; while those under item Nos. 7, 10 and 11 were under construction during the year under review.

85. As per Corporation Rosolution No. 580, dated the 13th November 1945 Venturi Meter are to be fixed on important outlet, inlet and distributory mains in the City. An order for 7 short pattern Venturi tubes and meters was placed last year with Messrs. Brady & Co. But they were not received till the end of the year. Another order for additional 7 short pattern venturi meters has been placed during the year from the provision during 1947-48.

Providing Venturi meters.

86. ELIMINATING WASTAGE OF WATER.

(*i*) Please refer to paragraph No. 50. The total number of taps re-washered during the year was 20,844.

Rewashering of leaky taps.

(*ii*) Proposals such as displaying posters, cinema slides and films, etc., were considered during the year However, due to small amount of only Rs. 500 available for the purpose no definite steps could be taken.

Proposals for anti-waste campaign.

XII.—WORKS FOR IMPROVEMENT OF THE DISTRIBUTION SYSTEM.

87. (*a*) Out of six cross-connections proposed to be carried out under the scheme, two were completely carried out before the commencement of the year and three were either partly carried out, or castings required for the work were obtained.

Providing of 24" cross connections between the trunk mains in the Outside City Division.

(*ii*) To build up adequate pressure in the water mains in case of fire in the Sewri and Timber Pond areas the 18" water main in King Edward Road of the 48" New Tansa Main had been extended upto the Sewri Station Road. Further portion has to be laid below the Railway Tracks of both the G. I. P. and the B. P. T. whose permission was sought for. An agreement has now been arrived at and completed. The deposits called upon have been paid and the work will be completed during the next year.

Extension of 18" water main in King Edward Road from Sewri station Road to Timber Pond.

Measures for preventing frequent bursts on 48" Old and New Tansa Mains in the City.

(*iii*) Last year a 24"×18" Cross-connection was made between the 48" Old and New Tansa Mains in Suparibaug Road just opposite the F Ward Office of this Department. The above mentioned two 48" mains were connected with the 32" Vehar main by an 18"×15" connection.

Further works under this scheme had to be postponed as large size cast iron specials *viz.*, 48">36" tapers and 36" tail pieces ordered from Kulti were not received during the current year.

Providing a 12" Feeder main in Bhau Daji Road in F Ward.

(*iv*) The 6" main in Bhau Daji Road feding the water mains in the streets on Bhau Daji Road, was found to be very inadequate and the work of laying an additional 12" feeder main was started last year. During the year 1,371 R.ft. of this work was done. Further work is in progress and will be completed next year.

Improving the water supply in localities in 'B' Ward.

(*v*) In order to improve the water supply in the localities of Memon Wada, Old Nagpada, Kambekar Street, Masjid Bunder Road and Pydhonie Road, a Comprehensive scheme had been formulated and works were commenced since 1945-46. During the year under report the following works were carried out.

(*a*) *Enlarging of 5" main in Sandhurst Road.*—A further portion of the 5" main in Sandhurst Road East was enlarged to 12" for a length of 329 R.ft. Further work is in progress and will be completed next year.

(*b*) 18" *Main in Masjid Bunder Road.*—A further length of 671 R.ft. of this main was laid during the year and the work was completed. Total length laid so far measures 1,391 R.ft.

XIII(A).—AUGMENTATION OF CITY'S WATER SUPPLY.

(Emergency Scheme).

88. Increasing the existing supply.

Utilizing the lower contents of the Tansa Dam.

(*i*) The lowest outlets in the Tansa Dam are at 380 T.H.D. (2 Nos. 30"×27") and it is possible to discharge about 90 million gallons per day from the lake into the outlet well till the lake level reaches about 387.5 T.H.D. It would be possible to bring 90 million gallons per day by gravitation even if the level reached 385 T.H.D. provided outlets at lower level were available. The contents between 387.5 and 385 T.H.D. are 1,600 million gallons. Further it is also possible to secure about 11,000 Million gallons which are the contents between 385 and 365 T.H.D., provided pumping is resorted to.

The Corporation as per their Resolution No. 320, dated the 19th July 1945 approved the scheme of providing two 5'-0" diameter openings at 360 T.H.D. for utilising these contents and a part provision was made in the Loan Works Budget of 1946-47 and drawings and estimates were being prepared.

In the mean time a very strange and serious situation was created by the total absence of rain upto the middle of July 1947 and the City was threatened with a water famine. Proposal, were immediately put up for driving a 4' diameter hole at 375 T.H.D. so as to avail the contents of the lake for a few more feet and to provide pumps on floating pontoons in the lake. The Corporation as per Resolution No. 493, dated the 10th July 1947 approved of these proposals and provision made for the outlet at 360 T.H.D. was allowed to be utilized for the works proposed.

Actually the following works involving practically the same principals as per the original ones were passed as per Corporation Resolution No. 870, dated the 20th October 1947 in lieu of the original propsal of providing two outlets at 360 T.H.D.

(*a*) Making a 50" diameter additional outlet in the dam at 375 T.H.D. and connecting the same to the outlet well by a 57" pipeline through its north flank and

(*b*) Providing (1) one 40 million gallons per day capacity pump with motor on floating pontoons, (2) two 500 H.P. Diesel Engine with generators, and (3) 50" diameter floating pipe line on the pontoons, etc.

The work included in (*a*) will enable the contents to be drawn by gravity upto 385T.H.D.and those in (*b*) to utilise by pumping the contents between 385 and 365 T.H.D.

The pontoon carrying the pumping sets will have a 50" diameter flexible pipe on the delivery side. The water will be pumped from the lower levels and actually delivered in the outlet well through an opening at 395 T.H.D. (newly constructed) lower outlets remaining closed to retain water from going back to the lake.

Before the rains arrived in July 1947 efforts were made to take advantage of the low level of the lake to provide a coffer dam by driving sheet piles on the upstream side of the dam for the work of outlet at 375 T.H.D. Due to very hard strata of ground met with, it was found difficult to drive the sheet piles and due to insufficiency of time and the lake level coming up, the job had to be abandoned. A 20'-0" high partition wall (R.C.C.) was constructed at the North end of the outlet well in stages for insolating a portion of the well without stopping the supply to the City, for connecting the outlet at 375 T.H.D. in the dam with the outlet well itself.

The other works started in right earnest after October 1947 and till the end of the year under report the progress made was as under:—

(1) In connection with the outlet at 375 T.H.D. a 50" diameter blank flanged piece of pipe was grouted in position on the upstream side of the dam (*i.e.*, under water) by drilling a hole. The whole of this underwater work which took about four months was done by an Italian Diver Mr. Palmerini on contract basis. This is a unique work, probably the first of its kind in enginering and Mr. Palmerini carried out the work single handed, and was under water for over 1,000 hours during which period he bored a hole about 5' diameter 4' deep in coursed rubble lime masonry, which was very hard having been under water for a number of years, *i.e.*, since the dam was constructed in 1892. The work was carried out ingeniously and patiently. The work of drilling the hole from the down stream side was started departmentlly.

(2) Two 500 H.P. Diesel "Enterprise" engines directly coupled with alternators, with all the accessories which were specially ordered from U.S.A. were received by the end of the year and the work of their installation in a specially constructed Powstar House was started. These generators were required as there is no electricity available at Tansa. The power generated will be utilized to run the motors connected to the pumps for pumping the lower contents.

(3) One 40 million gallons per day capacity pump with 500 H.P. motor was removed from the Love Grove Pumping Station and transported to Tansa. The other similar pump was retained at Love Grove to be shifted later on in case of emergency and to be placed on floating pontoons.

(4) The floating pontoon was constructed out of the pressed-steel bridge-pontoon cells for installation of the pumps. The work of installation of the pump and motor was in progress.

(5) Additional pontoons for carrying the 50" diameter flexible pipe line were also assembled. A part (450') of this pipe line will be laid on land and a part (200') will be floating. The pontoon carrying the Pump, motor, switchs, etc., will be situated about 650' from the dam where the bed level of the lake is 360 T.H.D.

(6) Order was placed with Messrs. Thomas Korula for manufacture of special 50" diameter flexible rubber and canvass pipes with flanges to serve as flexible joints.

(7) Much progress was made in connection with the Construction work of quarters, store godowns and other structures, necessary for the Power House and installations.

(8) Cables sufficiently strong to carry the current from the generating sets to the Motor on the Pontoon were purchased.

(9) For storing Diesel Fuel Oil an order was placed with Messrs. Shaparia Dock and Steel Co. for two mild steel tanks of 12,000 gallons capacity each.

In connection with these works the following plant and machinery were purchased :—

(1) Compressor.

(2) Oxy-acetylene gas cutting plant.

(3) Auxiliary generator.

As considerable time was lost in collecting the requisite materials the work had to be pushed through at later stages with speed by gathering resources from the whole department.

Provision of stop logs on the Waste Weir of the Tansa Dam.

(*ii*) The Corporation under their Resolution No. 701, dated the 11th September 1947 sanctioned construction of 1 feet high stop logs on the waste weir of the Tansa Dam at an estimated cost of Rs. 22,440 so as to impound one foot depth of additional water in the lake. The work was entrusted to and was carried out by Messrs. Duncan Stratton & Co. Ltd. However, no advantage of the work could be obtained as the lake did not fill up after the erection of the stop logs. The stop logs were subsequently removed as the top portion of the Dam was to be demolished for the work of providing Automatic Gates.

Providing Automatic gates over the Waste Weir of the Tansa Dam.

(*iii*) The Tansa Dam was designed for a full supply level of 420 T.H.D. with 2'-6" flood over the waste weir and 5'-0" of free board. The dam is built to a height of 420 T.H.D. for the waste weir portion and to 423 T.H.D. for the rest of the portion. The idea of providing automatic shutters is to impound additional 2,900 million gallons between 420 and 422 T.H.D. by raising that F. S. L. to 422 T.H.D. waste-weir. The shutters will remain in position until the level reaches 422.25 T.H.D., but would then fall automatically due to unbalanced weight of increasing water and allow the flood to pass over the waste-weir. The shutters would return back to their original position as soon as the level falls to 422 T.H.D. This work was sanctioned by the Corporation as per their Resolution No. 1539, dated the 11th December 1946 and was entrusted to Messrs. Duncan Stratton & Co. Ltd. Upto the end of the year the work has progressed as follows :—

(1) Piers constructed	..	38 Nos.
(2) Gates erected in position	..	37 Nos.
(3) Counter weights cast	..	38 Nos.
(4) Counter weights joined to the gates	..	16 Nos.

(5) A gangway of steel work was erected over the top of the piers for enabling communication over the waste-weir when it gets submerged.

The progress was ahead of the schedule and the work is expected to be completed before the commencement of the monsoon. In connection with this work experiments were carried out at Khadakwasla (near Poona) at the Government Experimental Station, on a ½ size model prepared for the purpose. The information gained helped to design the shape of the piers and the profile of the top of the dam for obtaining maximum flood discharge over the waste weir. After a number of experiments conducted at the above station the Palair profile (in modified form) was selected which consists of a flat portion 4'-9" under the gate a 45° batter (1.5 feet) and another batter of 1 in 14. The coefficient of discharge according to the model experiments was 3.14 giving a normal flood discharge of about 33,000 cusecs over the whole of the waste weir. As the maximum discharge that can be expected at a time from the Tansa Catchment has been observed as 48,000 cusecs in 1941, it would be desirable to porvide for an extra length of waste weir, for which surveys have been made and proposals for providing adequate length of waste weir on the south side of the dam will be put up in due course.

Cement grouting of the Tansa Dam.

(*iv*) The dam as designed would impound water upto 422 T.H.D. when the resultant actually falls slightly out of the middle third between 355 T.H.D. and 375 T.H.D. Knowing this condition it would not be advisable to allow the dam to be stressed upto level 422 T.H.D. for longer periods as would happen by the construction of the Automatic Shutters. Moreover the removal of 2 feet of masonry from the top of the waste weir to accommodate the 4 feet deep gates would result in throwing the resultant still further. It was therefore decided that the 2,000 feet portion of the waste weir should be thoroughly grouted with cement so that it will be stable enough under the new conditions.

2¼" diameter holes spaced 6 feet apart and drilled from the top of the dam to a depth of about 4 feet in the foundation were grouted with thin cement grout upto a pressure of 80 to 100 lbs. sq. inch. The work was entrusted to Messrs. Cementation Co; at a cost of Rs. 3,16,750 which amounts to 17,900 R.ft. of grout injection. At the end of the year 916 R.ft. of drilling and injection were done; and it is expected that the work will be completed by the end of the monsoon if sufficient materials are available.

In view of the additional openings in the dam and the outlet well it was decided that 1,800 R.ft. of holes should be drilled and grouted for the stability of the dam in that portion. This work was also entrusted to the same firms and the work was in progress till the end of the year.

As a result of the experimental boring in Tansa Dam in 1937-38 (at a total cost of Rupees 45,730) it was decided to grout the weak portions at the base of the dam at chainage 18 to 22, 64 to 71 and 84 to 88 and to

gunite the entire upstream face of the dam for a height of 30 feet. Most of the former work was already completed in 1946-47 and the remaining at chainage 64 and 68 and some more work near chainage 88 upto end of the dam was entrusted with Messrs. Cementation Co; Ltd. during the year at an estimated cost of Rs. 16,225 as per Corporation Resolution No. 89, dated the 24th April 1947.

Reconditioning the Duet Line

(*v*) Please refer to paragraph No. 12.

Reinsting the missing portions of Powai and Ghatkopar Syphons.

(*vi*) In 1929-30 about 7,300 R.ft. of 48" diameter C. I. Pipes were removed from Powai and Ghatkopar syphons in order to replace the corroded portions of the 57" steel mains passing through the Race Course with the result that the carrying capacity of the duct line was reduced to half *i.e.*, 20 million gallons per day. Corporation has given the administrative sanction to the plans and estimates (Rs. 11.69 lacs) for the work of reinstating these missing portions, but no provision has been made so far pending decision on the Augmentation Scheme.

XIII.—(B)—AUGMENTATION OF CITY'S WATER SUPPLY.

(Long Term Schemes).

Vaitarna-Cum-Tansa Scheme.

Detailed Survey and Design.

89. (*i*) As mentioned in the previous year's report, the detailed survey of the Vaitarna-cum-Tansa Scheme was taken in hand on 24th March 1947 and a major part thereof was completed before the break of the monsoon. The remaining work was started in November and partly completed during the year under report. The survey work carried out before the break of the monsoon comprised.

(*a*) taking of detailed cross-sections at the three probable sites across the Vaitarna river.

(*b*) Running alternate alignments and taking longitudinal sections from Vaitarna to the river Tansa Lake to obtain a most suitable and convenient alignment for the tunnel (the total length of the longitudinal sections taken being about 18 miles.

(*c*) Taking longitudinal sections with necessary cross sections, for the third pipe line, from Tansa to Powai a length of 40 miles after fixing the most suitable alignment for the same.

(*d*) Taking longitudinal sections for fixing the most economical and convenient alignment for the inlet trunk mains from Ghatkopar and Powai to existing and proposed reservoirs in the City. (total level survey done about 33 miles).

The above survey work (totalling 110 miles) was sufficient to undertake during the monsoon, designs detailed plans and estimates for some of the major items of the Scheme as well as for some Preliminary Work, Information regarding the rainfall, the yield of the two rivers, etc., was also collected from the previous records before designs for the major items of the Scheme were commenced. The information available from the gaugings of the past seventeen years on the Vaitarna river which covered only good years was found to be inaddequate and not very helpful in getting the required data for the design of the dam and the waste weir especially in regard to the maximum flood discharge to be passed over the waste weir and the yield of the Vaitarna river in years of scanty rainfall. And in order to estimate the yield of the river in scanty years like 1899, 1904 1905, 1906, 1911, 1918 and 1929 experienced in the Tansa catchment, a co-relation ratio was established between the similarly situated catchments of the Vaitarna and Tansa. With the co-relation ratio established between the yields of the two catchments, it was necessary to ascertain whether a useful storage of 17,000 million gallons as suggested in the Interim Report, for obtaining a combined supply of 160 m.g.p.d. could be obtained in three consecutive dry years like 1904, 1905 and 1906 and lean years like 1899, 1911, 1918 and 1929. Charts of day--to-day yields of the two catchments were plotted, showing the probable levels of water in the two lakes on 1st October in years of scanty rainfall for a useful storage of 17,000 million gallons. The charts showed that the useful storage of 17,000 million gallons as suggested in the Interim Report had to be increased to at least 26,000 million gallons to obtain a combined supply of 160 m.g.p.d. from the two sources in three consecutive dry years. The increase in the storage created difficulties regarding the location of the waste weir because the detailed survey had shown that a side channel waste weir or a flank waste weir could be economical so long as the F. S.L. of the reservoir was not more than 480 T.H.D. and with this level the quantity of water impounded above the level of the lowest draw-off of 422 T.H.D. would have been 17,000 million gallons. If the storage was required to be increased, it was thought that it would be worthwhile to take full advantage of the potentialities of the river at the site of the dam by impounding as much water as was economically possible provided it was feasible to convey the water so stored directly to the city by a pipe line functioning independently of the Tansa lake. No additional storage in excess of 17,000 million gallons was originally contemplated because the feasibility of conveying the water of the Vaitarna reservoir independents of the Tansa lake was not then explored. As soon as the monsoon was over the survey work was concentrated on finding out an independent means for conveying the Vaitarna waters to the City and it was found that if a pipe line about 6½ miles in length was laid from the end of the Vaitarna tunnel skirting the water spread of the Tansa lake, it would convey directly the contents of the Vaitarna reservoir to the City independently of the Tansa Lake. Fresh charts of day-to-day yields were again prepared, with various storages on the Vaitarna reservoir, to ascertain maximum storage possible which would give a maximum daily supply from the two lakes either jointly or independently in good years as well as in years of scanty rainfall. The charts and the calculations showed that with a useful storage of 46,000 million gallons, the total dependable combined supply from the two sources would amount to about 220 m.g.p.d. in all years except in a year like 1899 when it would amount to 150 m.g.p.d. The charts also showed that with this storage, the Vaitarna reservoir would be capable of giving independently a supply of 150 m.g.p.d. in all years except in 1899, when 110 m.g.p.d. can be expected.

Site for the Waste-weir and its design.

(*ii*) The provision of additional storage meant increase in the height of the dam and this incidentally aggravated the situation in regard to the location of the waste weir. The estimated maximum flood discharge being 92,000 cusecs, the depth of flow over the crest of the waste weir of about 300 feet length would be about 20 feet. As the depth of flow be so great, it was thought that it would be economical to obtain a useful storage of 46,000 million gallons by keeping the crest of the waste weir at 515 T.H.D. and providing automatic shutters 20 feet high to make up the F.S.L. of 535 T.H.D. at the end of the monsoon. The top of the dam would be kept at 545 feet with a roadway on its top so as to provide a free-board of 10 feet against the calculated economical free-board of 8 feet. Another

way by which the storage could be obtained would be to go in for a syphon spillway located in the body of the dam in the central portion. With the syphon spillway, the F.S.L. of the reservoir will have to be kept at 535 T.H.D. and the H.F.L. at 537 T.H.D. No decision has yet been taken as regards the type of the waste weir to be adopted. This question will be decided after sufficient number of experiments are carried out at the Khandakwasla Research Station both on the ordinary overflow weir and the syphon spillway.

(*iii*) The ultimate height of the dam including the foundations would thus be in the vicinity of 250 feet.

Protection of the toe of the dam.

The increase in the height of the dam has also created another problem, *viz.*, of protecting satisfactorily the toe of the dam on the downstream side from scouring action. In order to determine the most economical method by which the scour on the downstream side can be prevented, it is necessary to carry out experiments at the Khadakwasla Research Station by actually preparing models of the works.

(*iv*) The increase in the storage from 17,000 million gallons to 46,000 million gallons naturally necessitated a change in the size of the pipe line.

Design of economical size of the pipe line.

In the original scheme, a 72" dia. pipe line was suggested. Various sizes were tried and it was found that the most economical size would be a 96" dia. pipe line. Several advantages would be derived by going in for such a large sized pipe as it could be accommodated on the existing new bridges at Kasheli with some strengthening. It would also get over the difficulty of the hydraulic grade line which is at present experienced in the case of the existing 72" pipe lines at Mohili and Pivli cuttings when the water level in the Tansa lake reaches the level of 390 T.H.D. at the end of the hot season.

(*v*) The original designs for the tunnel, embankment, and the dam were modified and after working the schedule of quantities and preparing specifications, tenders for :—

Modifications in original designs and inviting of tenders.

(1) Construction of the tunnel:
(2) Cutting, embankment and other civil works for accommodating the new steel pipe line from Tansa to Powai, and
(3) Steel pipe line either 72" dia. or 96" dia. from Tansa to Powai and 126" dia. between tunnel face to cross over Balvant and Tasu Nallas.

Tenders are due in the early part of the next financial year and after they are received, they will be scrutinised and recommended to the Corporation for acceptance.

The only tender that remains to be invited is that for the dam. Several types of dams, such as arch hollow type, were tried and it was found that the most economical type to be adopted to suit the conditions obtaining in the Vaitarna gorge would be either a masonry or a solid concrete dam. A masonry dam is not however being recommended because it would take considerable time to construct. A concrete dam can be completed in about 3 to 3½ years' time.

(*vi*) In order that the work on the major items of the scheme such as the tunnel and the dam could by started without delay after the tenders for the same were accepted, it was necessary

Preliminary Works.

to carry out certain preliminary works such as, constructing access roads, building temporary bunds to store water, construction of temporary houses, purchase of vehicles, machinery etc., An estimate for preliminary works amounting to Rs. 25,70,800 was submitted to the Corporation and was sanctioned under Corporation Resolution No. 728, dated the 25th September 1947.

These works have since been put in hand and are gradually developing.

(*vii*) Considerable progress on the work of borings both for the foundation of the dam and along the alignment of the tunnel was made. The work of boring at the dam site was entrusted

Boring operations.

to Messrs. Shah Construction Company at a cost of Rs. 34,410 (*vide* S. C. R. No. 310, dated the 19th May 1947).

After the boring work progressed fairly satisfactory, Dr. B. C. Roy, the Superintending Geologist to Government of India, was requested to inspect the dam and tunnel sites and the cores of the bored holes and to express an opinion whether the strata met with were satisfactory for founding the dam and driving the tunnel. He appeared to be satisfied with the results obtained. A full report from him regarding the suitability of the site of the dam and the alignment of the tunnel from the geological point of view is awaited.

90. During the monsoon, rain gauging in the catchment area of the "Ar" river was also undertaken as approved under Corporation Resolution No. 1013, dated the 27th November 1947.

Rain ganging in the catchment of the Ar river.

91. After the monsoon was over, a survey party was sent to take up the work of surveying Kalu and Shai rivers to ascertain their suitability for being used as the next source of supply to augment the City's Water Supply. The survey party has been able to fix the sites for the dam on both the rivers for the waste weirs. The work of fixing the alignment of the pipe line from the Kalu River upto Badlapur to meet the pipe line proposed for the Bhivpuri Scheme is now in hand. It is expected that this will be completed before the break of the monsoon of 1948. The work of taking bores along the line of the dam on the Kalu river will be taken in hand shortly.

Survey work of Kalu and Shai rivers.

It is hoped that it will be possible to submit a report regarding the potentialities of the rivers as the next source for augmenting the City's water supply, in the latter part of the next year (194849).

92. Similarly, the work of reconnaissance regarding the feasibility of a hydro-electric scheme on the "Ar" river will be commenced shortly and completed before the break of the monsoon (1948).

Reconnaissance Survey of Ar. river regarding feasibility of Hydro electric Scheme.

93. The staff sanctioned for the survey work will be continued upto the end of October 1948. The expenditure to be incurred on the account upto the end of that peiord will be roughly Rs. 2,05,800. Some of the staff disbanded from the Bhivpuri survey work has been employed to look after the preliminary works and some have been absorbed in the 'Survey and Design Section,' sanctioned by the Corporation under their Resolution No. 65, dated the 19th April 1948.

Staff.

94. During the year, three models were made as detailed below :—

Clay and wooden models

(*i*) A clay model, showing the topography of the Vaitarna and Tansa Catchments, together with the proposed dam at the site near Mangalpada and the tunnel alignment from the proposed Vaitarna Dam to Tansa Lake, including the bridges over Tasu and Balvant Nallas to accommodate steel pipes where the tunnel will be above ground.

(*ii*) A wooden model of cement concrete hollow Buttressed Dam (Bull headed type) for a height of 175 ft. suitable for Vaitarna gorge.

(*iii*) A wooden model of the proposed cement concrete dam at Vaitarna, with devices to show the various F.S.Ls. and different types of waste weir such as, side channels, central spillway and syphons to suit them.

Special Officer.

95. Mr. G. G. Dhanak who was acting as Special Officer, Survey, on Bhivpuri Scheme reverted to P. W. D. on 4th June 1947. His place was taken by me. When I was appointed as Hydraulic Engineer, the post of the Special Officer was abolished and Mr. B. P. Surti who was acting as Hydraulic Engineer took over charge as 'Construction Engineer' on the Scheme from 1st of April 1948.

Office Administration.

96. The year under report kept the administration exceedingly busy, chiefly on account of the revision of the scales of pay of the non-clerical staff which was sanctioned by the Corporation under their Resolution No. 786 dated the 15th October 1947. The volume of work involved entailed excessive strain on the clerical staff in particular and other staff in general. To cope with the sudden increase in the work a special staff of 2 clerks was employed from 29th November 1947 to 31st March 1948 as a temporary measure. The work was further increased as a result of the Award of the Industrial Court in the dispute between the Municipality and the Subordinate Staff Union. Moreover, there was general all-round increase in the work of officers and servants due to the abnormal increase in the population and consequent demand for more water supply which strained the resources of the staff to a very great extent. The difficulties in the way of procurement of articles such as steel, pipes and fittings were more acute than the previous year.

During the year a separate section consisting of a Chief Clerk and 5 clerks had been created for maintaining service records and leave accounts of the Inferior staff now made amenable to the benefits of the Leave Rules, With the addition of a permanent Head Clerk to the Establishment it was possible to separate out the Establishment Section from the Expenditure Accounts Section which was greatly over-burdened. These two sections were found to work satisfactorily.

Labour situation.

97. The labour situation on the whole was fairly satisfactory and there was no strike or threat of a strike or any lock out. There however appeared certain amount of restiveness amongst the inferior staff owing to non-payment of arrears of pay until the expiry of the year.

Policy of supplying water to industries Outside the City.

98. The Corporation as per Resolution No. 1117, dated the 15th December 1947 has authorised the Municipal Commissioner to consider and recommend to the Corporation, application for water supply for industrial requirements beyond the City limits to the extent of a total of 3 million gallons per day during the next 5 years and 10 million gallons per day after the Vaitarna-Cum-Tansa Scheme is completed and brought into use, at such rates and on such conditions as he thinks necessary.

Costing.

99. (*a*) *Revenue.*—The total expenditure incurred on Water Works amounted to Rs. 85,39,873 which included Rs. 3,272 credited to Post War Reconstruction Fund for improvement in the City's Water Supply and Rs. 56,31,783 for interest, sinking fund charges, etc., for loans raised for Water Works, Rs. 4,86,837 for proportionate charges for General Superintendence and Revenue Collection and Rs. 1,52,797 for Provident Fund and Pension Charges. The total Revenue derived from the Water Works was Rs. 1,36,65,062 the excess of income over Expenditure being Rs. 51,25,189. The average cost of water brought into the City including wastage and supplied to the Suburbs works out to Annas 3 and pies 3 per 1,000 gallons.

(*b*) **Loan Fund.**—The total expenditure incurred during the year out of Loan Funds was Rs. 12,33,068

(*c*) **Other Public Bodies.**—Works to the extent of Rs. 1,02,928 were carried out by the Department on behalf of Government, Bombay Port Trust, Military Authorities and Private Parties.

K. B. CARNAC
Hydraulic Engineer.

APPENDIX 2 (Paragraph 7).

(1) *Supply Statistics.*

(1)	Quantity of water supplied to the City and the Suburbs during the year in million gallons	41,115.00
(2)	Quantity of water supplied to the City and the Suburbs during the previous year in M. Gs.	42,798.00
(3)	Decrease over the previous year's supply in million gallons	1,683.00
(4)	Average daily supply to the City and the Suburbs in million gallons	112.33
(5)	Average daily supply during the previous year in million gallons	117.25
(6)	Decrease over previous year's average daily supply in million gallons	4.92
(7)	Quantity of water supplied to the City in million gallons	39,283.00
(8)	Average daily supply to the City in M. Gs.	107.31
(9)	Population of the City as per census report of 1941	14,89,833.
(10)	Population of the City on the basis of food census (average during 1947-48)	25,80,000
(11)	Average daily supply in gallons per head per day for the City	41.54
(12)	Quantity of water supplied to the suburbs in million gallons	1,832.00
(13)	Average daily supply to the suburbs in M. Gs.	5.02
(14)	Population of the Suburbs on the basis of food census (average during 1947-48)	3,96,000
(15)	Average daily supply in gallons per head per day for the suburbs	12.67
(16)	The maximum total supply per day during the year in million gallons on 26-10-1947	118.30
(17)	The minimum total supply per day during the year in million gallons on 10-7-1947	87.50
(18)	Total quantity conveyed by the two 72" mains	28,890.00
(19)	Average quantity of water conveyed daily by the 72" mains in million gallons	78.93
(20)	Total quantity of water conveyed by the Duct during the year in millions gallons	5,205.00
(21)	Average quantity of water conveyed daily by the Duct, in million gallons	14.22
(22)	Total quantity of water conveyed by the 48" Vehar main during the year in million gallons.	5,679.00
(23)	Average quantity of water conveyed daily by the 48" Vehar main in million gallons	15.52
(24)	Total quantity of water conveyed by the 24" Tulsi main during the year in million gallons	1,341.00
(25)	Average quantity of water conveyed daily by the 24" Tulsi main during the year in million gallons	3.66
(26)	Quantity of water supplied in million gallns for domestic purposes during the year	25,635
(27)	Average quantity of water in gallon supplied for domestic purposes per head per day. (food census of 1947-48)	27.14
(28)	Percentage of water supplied for domestic purposes	62.34
(29)	Percentage of water supplied for other purposes	37.66

WATER SUPPLY WORKS
OF
THE BOMBAY MUNICIPAL CORPORATION

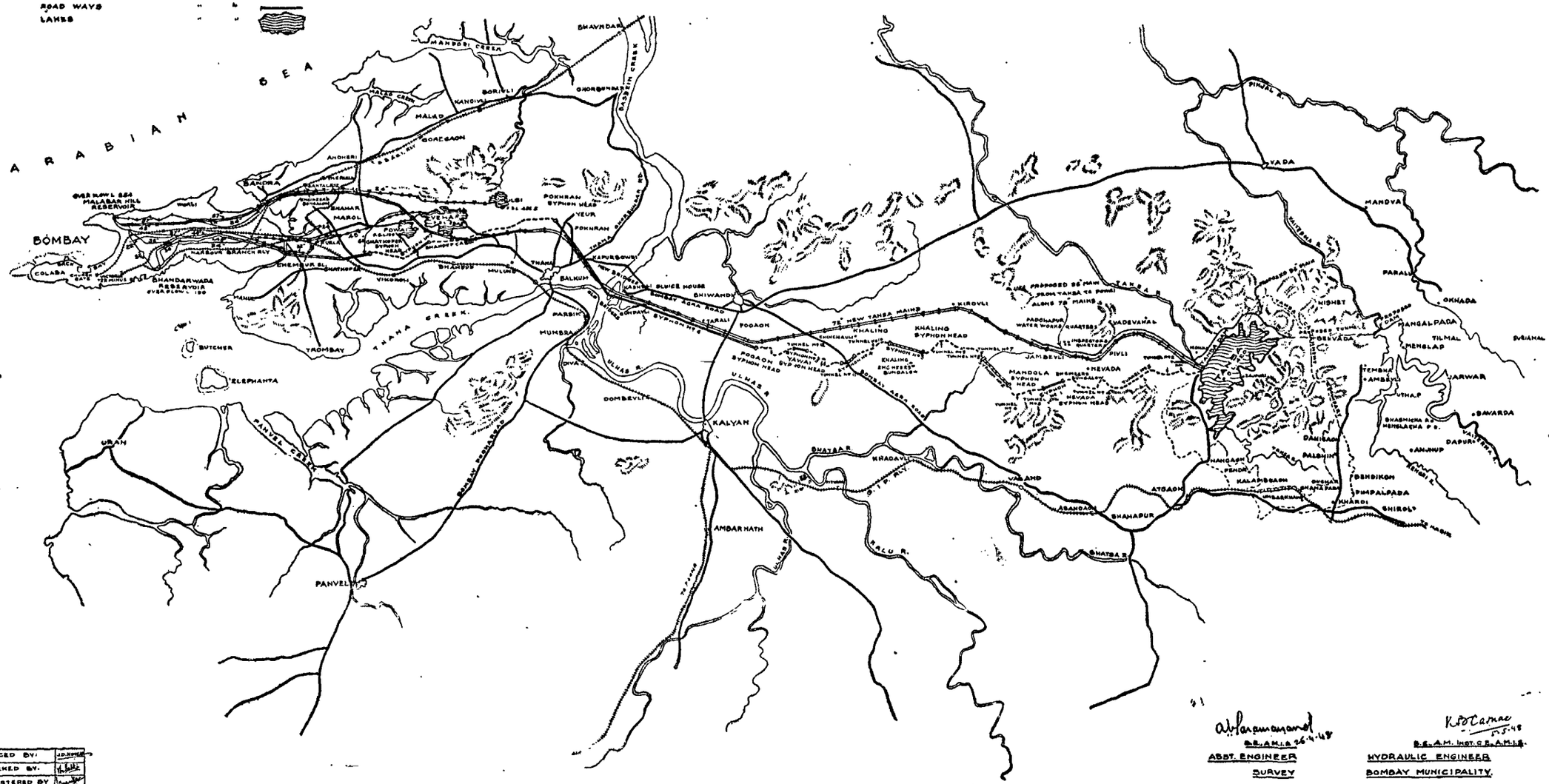
DRAWING NO H.E./695 24.6.48

APPENDIX 1

NOTES:-

87" & 72" TANSA MAINS	SHOWN THUS
48", 35" & 24" VEHAR MAINS	" "
24" TULSI MAIN	" "
INVERTED SYPHONS.	" "
MASONRY DUCT LINE	" "
G.I.P. & B.B.& C.I. RAILWAY	" "
ROAD WAYS	" "
LAKES	" "

SCALE MILES 1 0 1 2 3 4 5


ARABIAN SEA
BOMBAY
COLABA
BACK BAY
MALABAR HILL RESERVOIR
BHANDARWADA RESERVOIR
BUTCHER
ELEPHANTA
TROMBAY
THANA CREEK
PANVEL CREEK
URAN
PANVEL
BANDRA
ANDHERI
MALAD
GOREGAON
BORIVLI
MANPADA CREEK
GHORBUNDER
BASSEIN CREEK
BHAYNDAR
POWAI
POWAI LAKE
POWAI HEAD
POWAI SYPHON HEAD
POKHRAN
POKHRAN SYPHON HEAD
YEUR
KAPURBAWDI
BALKUM
THANA
MULUND
GHODBUNDER
GHODBUNDER SYPHON HEAD
MARBIN
MUMBRA
DIVA
DOMBIVLI
KALYAN
ULHAS R.
BHATSA R.
KHADAVLI
AMBARNATH
KALU R.
BADLAPUR
SHAHAPUR
ASANGAON
ATGAON
KHARDI
SHIROL
DAPURI
SAWARDA
JARWAR
VASHIND
PALSHIN
DANIVARI
DEHIKON
PIMPALPADA
OKHADA
MANGALPADA
TILMAL
MENGLAP
SUBHANAL
MANDVA
VADA
PINJAL R.
KHARBAO
KHARBAO SYPHON HEAD
KHALING
KHALING SYPHON HEAD
KHALING SYPHON HEAD
KIROLI
VADSAVARA
PIVLI
JAMBIVLI
NEVADA
NEVADA SYPHON HEAD
MANDOLA SYPHON HEAD
POGAON
POGAON SYPHON HEAD
POGAON SYPHON HEAD
GHATKOPAR
VIKHROLI
SHIVSAGAR
SHIVSAGAR LAKE
VEHAR
VEHAR LAKE
TULSI
TULSI LAKE
SAKI
JOGESHWARI
ANDHERI
SAHAR
MAROL
KURLA
GHATKOPAR
MULUND
BHANDUP
BHANDUP SYPHON HEAD
KANJUR
KANJUR SYPHON HEAD
VIHAR
VIHAR LAKE
TULSI
TULSI LAKE
TANSA
TANSA R.
VAITARNA R.
VAITARNA
PARALI
TEMBHA
AMBIVLI
UTHAP
BHAGHICHA PADA
MEHELACHA P.O.
KANJUP
KALAMBGAON
PHANDAS PADA
KHANDAS PADA
PHANDAS
PALSHIN
DANIVARI
ATGAON
SHAHAPUR
ASANGAON
KHARDI
SHIROL
BHATSA R.
KHADAVLI
KALU R.
AMBARNATH
KALYAN
DOMBIVLI
ULHAS R.
BHATSA R.
PROPOSED 96" MAIN FROM TANSA TO POWAI ALONG THE MAINS
96" NEW TANSA MAINS
PADGHA WATER WORKS QUARTERS
INSPECTOR'S QUARTERS
TUNNEL NO 1
TUNNEL NO 2
TUNNEL NO 3
TUNNEL NO 4
TUNNEL NO 5
TUNNEL NO 6
TUNNEL NO 7
TUNNEL NO 8
TUNNEL NO 9
TUNNEL NO 10
TUNNEL NO 11
TUNNEL NO 12
TUNNEL NO 13
TUNNEL NO

APPENDIX 3 (Paragraph 7).

Quantity of water used for different purposes.

Serial No.	Particulars.	No. of permises.	Quantity in million gallons.	Percentage.	Remarks.
1	Bungalows and gardens ..	255	332.91	0.81	Metered.
2	Milch cattle stables ..	79	189.27	0.46	,,
3	Other stables ..	43	46.16	0.11	,,
4	Mills ..	96	2350.62	5.72	,,
5	Dyeing and Bleaching Works ..	78	668.91	1.63	,,
6	Gymkhanas and Playgrounds etc. ..	66	68.25	0.16	,,
7	Race Course ..	1	74.88	0.18	,,
8	Industries ..	658	767.97	1.87	,,
9	Laundries and Dhobighats ..	70	94.92	0.23	,,
10	Hotels ..	106	136.94	0.33	,,
11	Flour Mills ..	5	5.03	0.012	,,
12	Municipal properties ..	47	218.44	0.53	,,
13	Government properties ..	307	1466.02	3.57	,,
14	Railways ..	96	687.40	1.67	,,
15	Bombay Port Trust ..	239	781.82	1.91	,,
16	Suburbs ..	..	1832.37	4.46	,,
	Total metered supply Carried forward ..	..	9,721.91	23.652	..

Serial No.	Particulars.	No. premises.	Quantity in million gallons.	Percentage.	Remarks.
	Brought over		9,721.91	23,652	Metered.
17	Building works		48.67	0.12	Unmetered.
18	Road Construction		2.42	0.006	,,
19	Fire purposes		4.60	0.012	,,
20	Leakage and other estimated losses through Municipal mains		2651.91	6.45	,,
21	Road watering cleansing and Gulley Flushing		50.48	0.12	,,
22	Miscellaneous such as Drainage and Sewerage Works, Public convenieiences, Hospitals, charitable institutions. ..		3000.00.	7.30	,,
23	Domestic		25635.01	62.34	equivalent to 27 gals. per head per day.
	Total unmetered supply		31398.09	76.348	..
	Total quantity of water supplied to the City and suburbs during the year		41115.00	100.00	..

APPENDIX 4 (Paragraph 8).

Statisties of the Lakes for 1947-48.

Serial No.	Particulars.	Tansa.	Vehar.	Tulsi.	Powai.
1	Distance from Bombay (Town Hall) in miles by road ..	66	18	22	17
2	Lake area at full supply level in square miles ..	7.31	2.81	0.52	0.57
3	Total catchment area in square miles ..	52.50	7.32	2.61	2.58
4	Total rainfall in inches ..	104.23	80.17	94.93	82.83
5	Average rainfall of the preceding 5 years ..	106.36	91.56	116.62	94.44
6	Number of wet days ..	102.	97	85	100
7	Decrease in rainfall as compared with average of preceding 5 years ..	—2.13	—11.39	—21.69	—11.61
8	(*a*) Number of days in which rainfall exceeded 1" (less than 2") ..	16	19	17	18
	(*b*) Number of days in which rainfall exceeded 2" (less than 3") ..	13	9	12	8
	(*c*) Number of days in which rainfall exceeded 3" and above ..	7	3	7	5

APPENDIX—4 Continued.

Serial No.	Particulars.	Tansa.	Vehar.	Tulsi.	Powai.
9	Maximum rainfall per day in inches ..	5.26	5.63	4.15	5.13
10	Date of maximum rainfall ..	17-7-47	12-7-47	17-7-47	12-7-47
11	The lake commenced to overflow when the rainfall amounted to inches ..	68.97	No over flow.	71.17	33.05
12	Date on which the lake started overflowing ..	28-8-47	Do.	31-8-47	17-7-47
13	Number of days the lake overflowed ..	32	Do.	26	79
14	Number of times the lake overflowed ..	2	Do.	2	2
15	Quantity of water that overflowed over the Waste-weir in million gallons ..	25922	Do.	673	2211
16	Quantity of water over flowed equivalent to number of days of supply ..	230	..	6	..
17	Full supply level of the lake in Town Hall Datum ..	420.00	264.50	456.60	195.00
18	Conents of the lake at full supply level in million gallons above the lowest outlet ..	35,600	9,120	2,295	1,200
19	Highest level reached during the year in T.H.D. ..	421.00	254.17	457.08	195.42
20	Date on which the highest level was reached ..	29-9-47	7-10-47	24-9-47	31-8-47
21	Lowest drawable levels ..	387.50	234.50	430.00	..
22	Drawable capacities in million gallons when the lakes are full ..	31,064	8,425	1,771	..
23	Lowest level reached during the year in T.H.D. ..	389.54	237.09	436.02	191.18
24	Date on which the lowest level was reached ..	2-7-47	10-7-47	10-7-47	30-6-47
25	Contents of the lake at the lowest level reached in million Gallons ..	5936	1221	812	815
26	Contents of the lake at lowest drawable levels in million gallons ..	4,536	713	524	..
27	Contents of the lake in million gallons between the lowest level reached and the lowest drawable levels ..	1,400	508	288	..
28	Quantity of water required to fill up the lakes to full supply level from the lowest level reached in million gallons ..	29664	7899	1483	385
29	Percentage of run off into the lake from the catchment as per rainfall registered at the lake ..	82.78	51.04	66.16	..
30	Quantity of water brought into the City and Suburbs during the year in M. Gs. ..	34095	5679	1341	..
31	Quantity of water brought into the City and Suburbs per day in million gallons ..	93.15	15.52	3.66	..
32	Total loss of water due to evaporation, leakage and absorption in million gallons during the dry-period 8 months ..	5393	1225	481	511
33	Average loss of water per day due to evaporation and other losses during the dry months in M. Gs. (8 months.) ..	22.10	5.02	1.97	2.09
34	Total loss of water due to evaporation only in million gallons. (*Vide* appendix 5) ..	3776	950	247	..
35	Average loss of water per day due to evaporation only in million gallons, for the period stated in item 34 above ..	17.72	4.46	1.16	..
36	Equivalent number of days supply (Evaporation only) ..	33	8	2	..

Note.—The rainfall in Bombay during the year as observed at the Colaba Observatory was 77.09 inches *i.e.* 7 inches. above normal.

APPENDIX 6 (Paragraph 9).

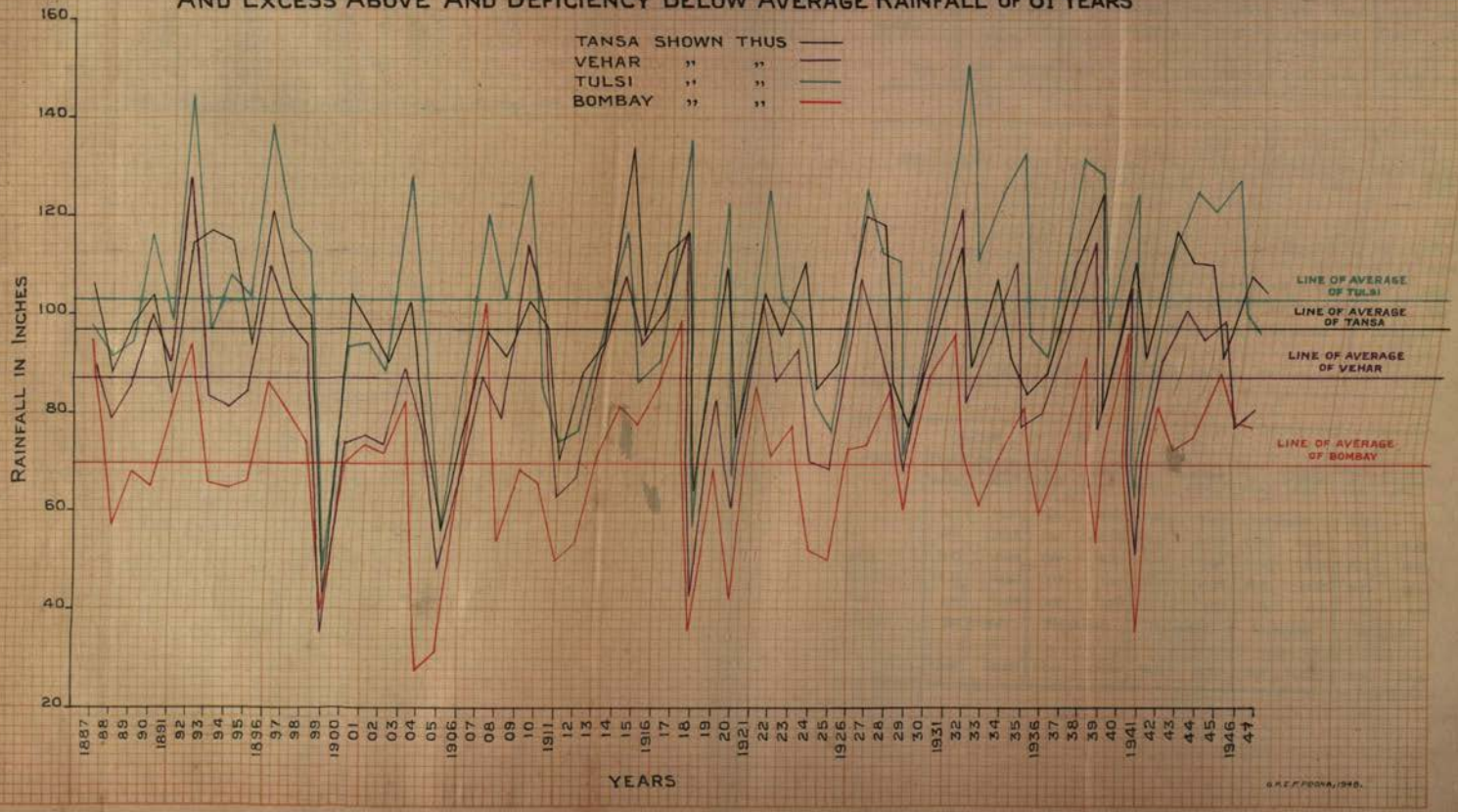
Quantity of water lost by evaporation alone at the lakes.

Month.	Evaporation in feet.			Evaporation in million gallons.		
	Tansa.	Vehar.	Tulsi.	Tansa.	Vehar.	Tulsi.
1947—						
April	0.576	0.469	0.459	511.90	116.56	30.90
May	0.735	0.584	0.529	594.29	150.80	33.79
June July August September October	Not	recorded		Not	recorded	
November	0.489	0.482	0.492	590.64	148.00	42.63
December	0.495	0.498	0.422	573.05	143.50	34.02
1948—						
January	0.428	0.496	0.464	467.32	136.00	35.42
February	0.518	0.467	0.468	529.15	120.79	34.31
March	0.545	0.548	0.527	509.32	134.75	36.04
Total	3.786	3.544	3.361	3775.67	950.40	247.11

Grand Total : 4973.18 million gallons in dry season= 23.34 million gallons per day.

APPENDIX 5
(PARAGRAPH 8)

GRAPH SHOWING
ANNUAL RAINFALL IN INCHES FROM 1887
AND EXCESS ABOVE AND DEFICIENCY BELOW AVERAGE RAINFALL OF 61 YEARS



G.M.E.P. POONA, 1948.

APPENDIX No. 7.—(Paragraph 30)

Rainfall and Vaitarna River discharge at Mangalpada near Tembha (at the site selected for Dam)

Months.	Year 1930		1931		1933		1934		1935	
	Rainfall in inches.	Discharge in Million Gallons.	Rainfall in inches.	Dicharge in Million Gallons.	Rainfall in inches.	Discharge in Milloin gallons.	Rainfall in inches.	Discharge in Million gallons.	Rainfall in inches.	Discharge in million gallons.
June ...	25.46	15,766.34	2.02	...	17.11	22,270.52	17.99	12,387.18	22.18	9.524.91
July ...	20.11	117,625.07	73.93	98,844.03	24.86	44,789.95	29.15	69,166.19	35.72	76,630.71
August ...	10.58	46,897.30	25.62	88,620.82	39.51	110,497.42	31.68	81,995.56	16.70	66,233.10
September ...	18.09	50,395.96	14.17	34,324.84	26,39	54,509.48	12.04	23,659.63	17.40	40,891.41
October ...	1.31	8,113.15	18.92	47,917.44	3.16	7,175,74	2.29	3,576.65	5.06	4,050.87
November ...	...	1,764.61	...	1,033.30	...	491.13	... Not recorded.		0.03	651.53
Total ...	75.55	240,562.43	134.66	270,740.43	111.03	239,734.24	93,15	190,784.24	97,09	197,9823,

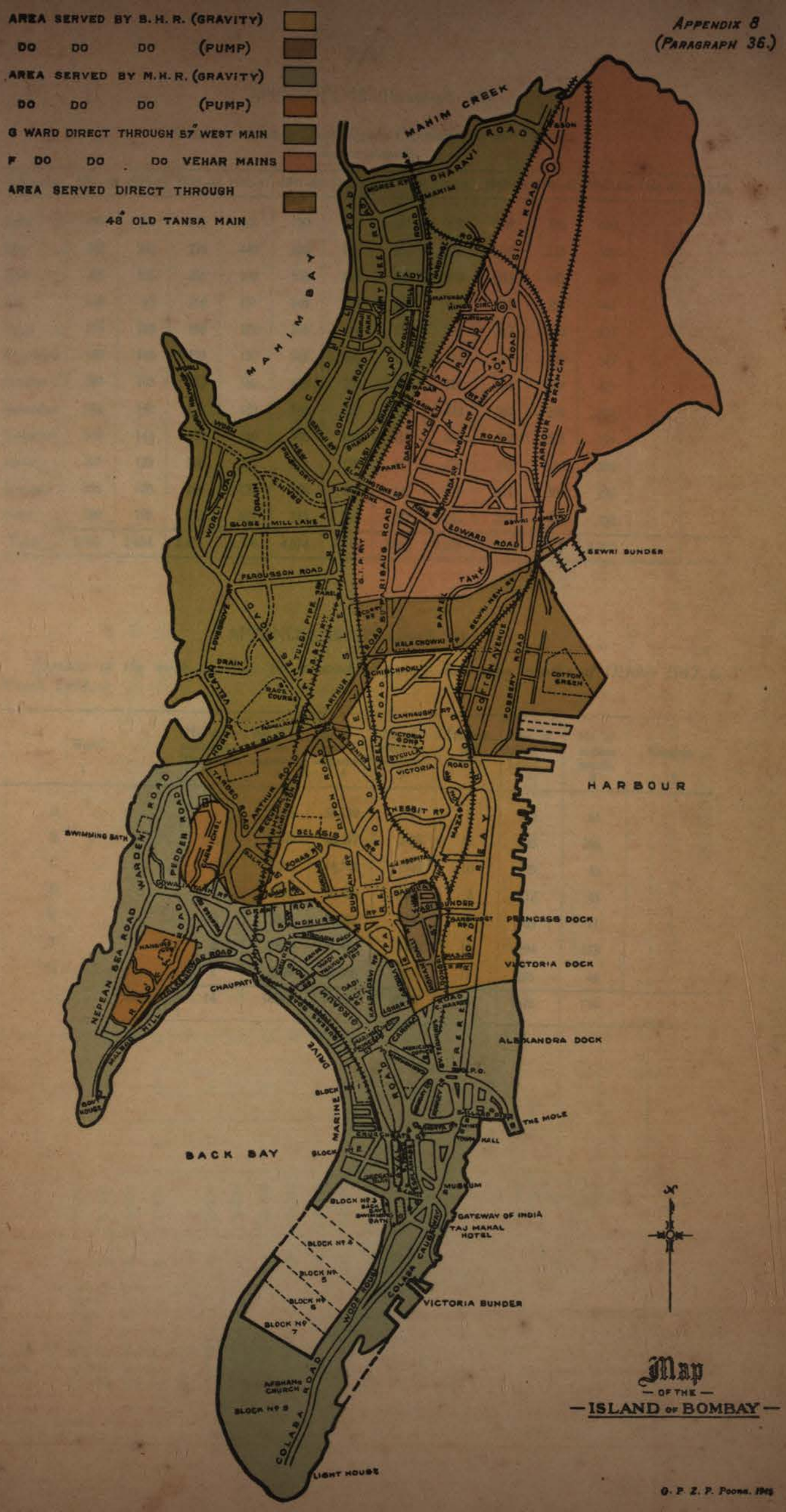
Months.	Year 1396		1937		1940		1941		1942	
	Rainfall in inches.	Discharge in Million gallons.	Rainfall in inches.	Mainfall in Million gallons.	Rainfall in inches.	Discharge in Million gallosn.	Rainfall in in	Discharge in Million gallons.	Rainallf in in	Discharge in Million gallons.
June ...	24.90	24,253.44	28,36	23,964.	17.98	14,34 ,80	9.65	6,185.07	25.11	13,870
July ...	27.30	62,316.18	58.52	122,371.27	46.75	77,545.61	58,62	80,777.57	65.31	1,27.195
August ...	17.32	49.610.04	9.14	29,975.14	36.91	79,623.20	16.31	4,0459.13	18.55	54.670
September ...	16.97	43,051.97	25.94	48,271.90	11.69	37,059.62	5.22	9,004.88	17.84	44,605
October ...	0.05	2,636.89	2.04	6,595.27	10.97	20,225.63	3.62	1,905.33	...	7,968
November ...	Not recorded.		...	831.00	Not recorded.		Not recorded.		Not recorded.	
Total ...	86.54	181,868.52	124.00	232,009.36	124.20	218,799.86	93.42	138,331.98	126.81	2,48,308.00

Months.	Year 1943		1944		1945		1946		1947	
	Rainfall in inches.	Discharge in Million gallons	Rainfall in inches.	Discharge in Million gallons.	Rainfall in inches.	Discharge in Million gallosn.	Rainfall in inches.	Discharge in Million gallons.	Rainfall in inches.	Discharge in Million gallons.
June ...	19.15	13.283	13.92	10.088	15.86	11,626	Not recorded.		4.37	41
July ...	69.04	1,29.620	67.28	1,37.518	49.62	1,08,343	43.32	102,570	39.59	89,471
August ...	10.72	44,440	29.05	89,345	24.60	77,641	35.90	115,159	36.05	94,023
September ...	20.73	44,857	3.15	11,305	16.73	44,592	31.49	43.025	24.79	83,205
October ...	8.04	15,795	9.23	2,563	0.57	4,815	1.30	42 83	1.25	8,141
November ...	Not recorded.		Not recorded.		Not recorded.		Not recorded.		Not recorded.	
Total ...	126.68	2,47.995	116.63	2;50.810	106.78	247,017	94.01	2,67,037	106.08	274.881

APPENDIX 9 (Paragraph 37).

Hours of supply in different localities on 31-3-1948 (All timings indicated in Bombay Time)

Locality.	Supply Hours.			Remarks.
	Full Supply.	Partial Supply.	Non-Supply.	
(1) Fort, Colaba and Back-Bay Areas.	2-30 A.M to 5-00 A.M. 7-00 P.M. to 9-00 P.M.	5-00 A.M. to 8-30 A.M. 4-00 P.M. to 7-00 P.M. 9-00 P.M. to 2-30 A.M.	8-30 A.M. to 4-00 P.M.	Malabar Hill Reservoir Supply. The 24" main supplying the Fort area is already overtaxed as determined by the pitometer gaugings and therefore is not able to cope up with the demand in Fort area during the normal supply hours.
(2) Dhobitalao, Girgaum, Thakurdwar, Hughes Road, (part) Khetwadi (part), C. P. Tank (part), and Sandhurst Road, (West).	2.30 A.M. to 8-30 A.M.	4-00 P.M. to 7-00 P.M.	8-30 A.M. to 4-00 P.M. & 7-00 P.M. to 2-30 A.M.	Malabar Hill Reservoir Supply.
(3) Gibbs Road (part), Ridge Road, Altamount Road, Carmichael Road, (part) Pedder Road (part), and Walkeshwar Road (part)	Do. ...	Do. ...	Do. ...	Pump Supply. do.
(4) Nepean Sea Road and Narayan Dabholkar Road.	Do. ...	Do. ...	Do. ...	Malabar Hill Reservoir Supply.
(5) Warden Road, Gowalia Tank Road, Forjet Street, Pedder Road (part), Carmichael Road (part).	Do. ...	Do. ...	Do.	Do.
(6) Walkeshwar Road (part), Ridge Road (part) and Banganga Road.	...	24 hours supply	...	Malabar Hill Reservoir Supply. For fear of air-locks in 12" syphon main from Malabar Hill Reservoir the supply is not restricted. Proposals were put up to relay the main and when the Corporation approves the proposals and work is carried out, the supply will be restricted as in other places.
(7) Mazgaon, Dongri, Nagpada, Mandvi, Kamatipura, Madanpura (part), Pydhonie, Nul Bazar, Sandhurst Road (East), Grant Road (part), Byculla, C. P. Tank (part), Khetwadi (part).	2-30 A.M. to 8-30 A.M.	4-00 P.M. to 7-00 P.M.	8-30 A.M. to 4-00 P.M. & 7-00 P.M. to 2-30 A.M.	Bhandarwada Hill Reservoir Supply.
(8) North of the City above (Clerk Road) and bounded by a line along the Railway Line. (G Ward).	Do. ...	Do. ...	Do.	In absence of service reservoirs in the North direct supply is given from 57" West Tansa Main.
(9) Tardeo, Grant Road (part), Gamdevi, Ripon Road (part), Lamington Road, Reay Road, Sewri and Cotton Green.	Do. ...	Do. ...	Do. ...	On account of limited supply avallable at Malabar Hill Reservoir and Bhandarwada Hill Reservoir direct supply is given from 48" Old Tansa and 57" West Tansa Main.
(10) North of the City above Kalachowky and bounded on the west by G. I. P. Railway Line (F Ward).	Do. ...	Do. ...	Do.	The Supply is given from 24" and 32" Vehar Mains. For want of service reservoirs and small sizes of trunk mains, supply cannot be well regulated. Survey of the Hills for detailed plans and Estimates has been carried out.
(11) Bombay Port Trust Docks and Royal Indian Navy Dock yard.	2-30 A.M. to 5-00 A.M. 7-00 P.M. to 9.00 P.M.	5-00 A.M. to 8-30 A.M. & 12-00 Noon to 7-00 P.M. 9-00 P.M. to 2-30 A.M.	8-30 A.M. to 12-00 Noon.	Bhandarwada Hill Reservoir Supply. This supply is metered and is required for steamers and the dock area for which a special main was laid at the cost of the Government of India.



Map
— OF THE —
— ISLAND OF BOMBAY —

G. P. Z. P. Poona. 1943

APPENDIX 10 (Paragraph 43).

Statement Showing Short Supply Complaints in the City.
(For the last 10 years)

Months	1937-38	1938-39	1939-40	1940-41	1941-42	1942-43	1943-44	1944-45	1945-46	1946-47	1947-48	1948-49	1949-50
April ...	195	351	280	345	750	147	481	280	307	396	440		
May ...	262	342	275	440	420	196	352	276	287	335	520		
June ...	215	150	235	390	332	540	333	304	312	345	610		
July ...	160	93	260	151	345	204	281	196	210	356	441		
Agust ...	155	105	158	122	240	211	131	232	217	280	320		
September	180	188	195	150	365	108	115	174	250	230	329		
October ...	390	103	212	180	620	220	201	421	361	277	425		
November	362	140	222	180	518	227	332	472	387	289	304		
December	340	142	152	140	360	184	159	268	217	328	351		
January ...	207	125	160	225	221	138	131	230	192	328	296		
February	156	120	190	170	292	188	135	171	211	305	296		
March ...	280	195	135	485	211	352	232	246	272	458	450		
Total ...	2,902	2,054	2,474	2,978	4,674	2,715	2,883	3,270	3,223	3,927	4,782		

APPENDIX 11. (Paragraph 50).

Statistic of the work done by the re-washering staff during the months of October 1947 to March 1948.—

Ward. 1	No. of re-washsering Mukadams. 2	No. of houses inspected. 3	No. of taps inspected. 4	No. of taps re-washered. 5	Per cent. of 5 to 4. 6	No. of defects found. 7	No. of notices issued. 8	Remarks. 9
A ...	2	1228	36,530	1782	5	104	61	
B ...	2	1849	20,217	2075	10	323	266	
C ...	2	1082	14,761	1540	10	125	46	
D ...	2	1533	30,426	2602	8	112	45	
E ...	2	3517	26,282	5445	20	365	71	
F ...	2	2820	41,414	4370	10	294	183	
G ...	2	2109	23,986	3024	12	285	44	
Total ...	14	14138	1,93,616	20844	10	1608	716	

APPENDIX 12 (Paragraph 51).

Statement of Defects found on Mains and Service Pipes during the year 1947—48.

	No. of diagrams taken.	Total leakage discovered and arrested in gallons per hour.	DEFECTS																				
			UNDER GROUND									ABOVE GROUND											
			Mains		Sluice Valves.	Hydrants	Service Pipes.	Stop Taps.	Disconnected service pipes		Miscellaneous Holes in Mains, etc.	Bib Taps			Service Pipes		Ball Valves and Tanks			Stop Taps leaking.	Meter Coupling Flanges, Holes etc.	Miscellaneous.	REMARKS.
			Bursts.	Joints.					Ferrule leak.	Pipe leak.		Re-washered	Out of order.	Left open.	Leaking.	Without Tap.	Ball Valves out of order.	Tanks without Ball Valves	Tanks leaking.				
1947—																							
April ...	73	31,2,480	1	2	80	346	208	84	56	10	...	20	371	...	147	48	251	146	67	4	...	...	
May ...	67	2,61,980	1	2	59	282	219	44	59	2	...	35	237	...	148	45	270	201	56	9	...	...	
June ...	73	3,00,280	1	5	54	194	217	58	90	...	...	22	293	...	154	25	169	104	54	7	...	...	
July ...	40	2,81,590	2	5	66	195	229	36	22	2	...	41	493	...	160	57	212	125	157	4	...	...	
August ...	56	2,95,420	1	4	55	210	175	45	36	2	...	54	541	...	160	27	330	160	117	8	...	...	
September ...	38	2,99,740	...	5	56	179	190	24	52	...	...	50	323	...	139	20	356	183	75	8	...	...	
October ...	59	3,69,620	...	7	52	236	235	50	21	3	...	3,125	413	...	213	47	405	141	92	2	...	...	
November ...	53	3,29,080	...	6	62	249	288	61	20	...	...	3,099	412	...	167	25	375	139	62	2	...	...	
December ...	47	2,78,750	1	9	62	249	242	45	30	1	...	3,400	378	...	194	22	282	281	67	16	...	...	
1948—																							
January ...	47	3,75,920	3	5	55	266	268	48	29	...	...	3,711	449	...	215	53	339	132	84	14	10	...	
February ...	20	2,46,660	...	6	67	236	211	59	24	...	...	3,309	312	...	181	24	203	126	73	28	...	...	
March ...	24	3,71,400	4	5	58	305	239	45	72	...	...	3,170	304	...	224	40	255	144	92	19	...	...	
Average leakage in gallons per hour		3,01,903																					
Total ...			14	61	726	2,947	2,731	599	511	20	...	20,036	4,526	...	2,102	433	3,447	1,882	996	121	10	...	
Grand Total ...			7,619									...	13,517										

APPENDIX **13.** (Paragraph 56).

Bursts on Water-Mains.

Serial No.	Description.	Size of Main.	Serial No.	Description.	Size of Main.
1	Frere Road Junction Mint Road ...	6″	6	Arthur Road Grass Siding ...	4″
2	Carnac Road unction Bengalpura ...	6″	7	225, Grant Road ...	3″
3	Forbes Street ...	3″	8	Malbar Hill Reservoir Slope Garden ...	4″
4	47, Wellington Street ...	3″	9	Suparibaug Road Junction Jijibhai Lane ...	48″ Tansa.
5	Malbar Hill Reservoir Slope Garden ...	4″	10	Dharavi Road ...	12

APPENDIX **14** (Paragraph 64).

Details of the Communicating Pipes cleansed in F Ward during the year 1946-47.

Size of connection.	Condition of the Pipes.						No. of connections found broken.	Total No. of connections cleaned.
	No. of connections with Mud.	No. of connections with Incrustation.	No. of connections with Moss.	No. of connections with Algae.	No. of connections with Shells.	No. of connections with Fish.		
1/2″ ...	245	4	1	...	401	1	29	681
3/4″ ...	458	4	2	...	358	1	22	845
1″ ...	293	3	1	...	121	6	5	429
1¼″ ...	76	1	1	...	10	1	...	89
1½″ ...	18	...	...	...	3	1	1	23
2″ ...	3	...	...		...	...	...	3
Total ...	1093	12	5	...	893	10	57	2070

APPENDIX **15** (Paragraph 65).

Details of the Consumers' Pipes cleaned in F Ward during the year 1947-48.

Size of connection.	Condition of the Pipes.					Total No. of connections cleaned.	Length of Pipes cleaned in R. ft.
	No. of connections with Mud.	No. of connections with Incrustation.	No. of connections with Moss.	No. of connections with Algae.	No. of connections with Shells.		
1/2″ ...	75	1	9	...	18	103	100,650
3/4″ ...	219	9	43	...	53	324	117,023
1″ ...	183	8	38	...	27	256	58,327
1¼″ ...	42	2	8	1	4	57	14,961
1½″ ...	9	...	2	...	1	12	3,833
2″ ...	3	...	...	...	...	3	350
Total ...	531	20	100	1	103	755	295,144

BOMBAY FIRE BRIGADE.

"Subject: *Administration Report for the year 1947-48.*

I have the honour to submit the Annual Report on the working of the Brigade for the year 1947-48.

Calls.—The number of calls received during the year under report totalled 1,200, as against 1,473 in the preeeding year. These calls included 989 calls for 703 actual fires and 286 for false alarms, besides 56 calls for special services and 18 calls for attending fires outside the City limits. There were occasions when more than one call was received for the same fire. An appreciable fall was recorded in the number of actual fires by 258 when compared with the calls received during the preceeding year, The calls for outside City limits for actual fires have, however, risen from 6 to 18 which indicates the increase of fire risk in the suburbs. The number 286 for false alarms includes 142calls due to malicious interference with Fire Alamrs, 17 calls given with good intention and 127 caused due to electrical defect etc., in the Fire Alarm instruments.

Fire Loss.—The estimated total loss to property amounted to Rs. 55,77,988 as against Rs. 67,49,534 in the previous year, showing an increase of Rs. 3,21,374 over the average of the last three years, but it is considerably less than the loss for the preceding year. The value of insurance of property affected in the total loss was for Rs. 9,89,892 and the total value of property involved in fire risk amounted to Rs. 13,13,74,820.

Water Supply.—The supply of water for extinguishing fires during the year was satisfactory and the attendance of the staff of the Water Department was prompt. The approximate quantity of water utilized for extinguishing fires was 43,00,535 gallons out of which 40,31,280 gallons were drawn fromMunicipal mains and the rest from sea, tanks and wells.

Lives Lost.—3 persons were burnt to death, 14 were severely injured resulting in subsequent deaths and 64 sustained minor injuries and burns from which they ultimately recovered. Fire aid was rendered by the Brigade to injured persons on 185 occasions.

Fire Alarms.—The total number of Fire Alarm posts spread out in the City and connected to 9 Fire Stations was 195 (including private alarms).The system has proved very effective in giving prompt calls to the Fire Brigade as will be evident from the fact that out of the 1200 total calls, 57 per cent. were received through this system only. 6 persons were prosecuted for malicious interference with Fire Alamrs, 3 having been fined Rs. 5 each or in default simple imprisonment of varying periods, 1 person was bound over for Rs. 100 with a surety, 1 person was fined Rs. 25 or in default simple imprisonment for a week and 1 person was certified to be lunatic and sent to Mental Hospital, Thana.

Appliances.—Two new Dennis Fire Engines and 4 Fire Escapes ordered during the year 1946-47 from the United Kingdom were received during the year and placed immediately in commission. A new chevrolet motor lorry with a special hauling gear was obtained in exchange for a 3 ton motor lorry from the Mechanicat Engineer specially for use at fallen buildings etc.

General.—The total distance travelled by fire appliances to and from 1200 calls was 9,154 miles.

Inspections of hydrants in the City was regularly carried out throughout the period and all defects discovered were attended to and remedied promptly by the staff of the Water Department.

The Brigade was called upon for rendering special services in 56 cases of which 44 were in respect of fallen buildings and the rest were for rescue works from lifts, trees, wells, sea and pumping out operations etc.

The department carried out inspections of theatres and cinemas as well as temporary structures for entertainments and exhibition purposes on 304 occasions and inspected premises and facotories for licensable commodities of hazardous and inflammable nature on 2007 occasions during the year.

The trailer pump competition drill was held during the year and was won by the crew from the Dadar Fire Station.

The staff had carried out the Flag salutation ceremony on Independnance Day, 15th August 1947 which was declared a Public holiday by Government. The Municipal Commissioner hoisted the National Flag.

The work of construction of the Fire Services Memorial in memory of those killed in the Bombay Explisions in the year 1944 was completed and fitted with plaques and the unveiling caremony was performed on 14th October 1947 at the hands of His Worship the Mayor of Bombay.

Mr. M. G. Pradhan, Dy. Chief Officer, Fire Brigade, was deputed by the Corporation to the United Kingdom, Canada and America to study the working of the Fire Services in those countries and he was away for this purpose from 26th April 1947 to 4th November 1947.

Mr. N. Coombs, Chief Officer, Fire Brigade, was granted leave preparatory to retirement from 4th March 1948 and Mr. M. G. Pradhan was appointed to act in his place. Mr. N. Coombs, however, proceeded on leave from 8th April 1948 and Mr. M. G. Pradhan took over the charge of the post of the Chief Officer, Fire Brigade, from that date.

Ambulance Service.—A new Chevrolet Ambulance for Street Accidents Service donated by the Mill-Owners Association on 21st November 1947 was immediately put into commission. One of the 6 ambulances being unserviceable was put out of commission and therefore the number of ambulances in use remained the same. The 2 ambulances sanctioned and ordered during the year 1947-48 were not delivered owing to difficulties experienced in obtaining certain materials by the body builders during the year. The total number of calls on ambulances for accdients was 1388, for maternity cases 2195, and for hire cases 2738 removing in all 6390 persons as against 1499, 2861 and 3690 respectively removing 8075 persons during the preceding year. The ambulances travelled a distance of 40,904 miles as against 49,142 of the previous year. The total receipts for the year on account of hire cases amounted to Rs. 13,984 as against Rs. 19,322 during the previous year.

The ambulances being old, had to be put out of commission for repairs very often and therefore could not accept hire calls in preference to accidents and maternity cases which has resulted in the fall of revenue. First aid was rendered by the Ambulance Services to injured persons on 127 occasions.

There is a proposal under consideration of the Municipal Commissioner to augment the Ambulance Service with two new ambulances and necessary staff to be posted at Dadar Fire Station to serve the public in the North of the City.

In conclusion, I wish to express my thanks to the officers of the Water Department, the Police and Salvage Corps for their co-operation and assistance on all occasions.

M. G. PRADHAN,
Ag. Chief Officer, Bombay Fire Brigade.

APPENDIX I

Budgeted Strength and Equipment of the Brigade.

Strength.		Equipment.	
No. of post.	Designation.	No. of article.	Description.
		17	Motor Pumps (all fitted with First-aid appliances) 12 carrying Fire Escapes and 5 Extension Ladders.
	Brigade Staff—		
1	Chief Officer, Fire Birgade.	4	Fire Tenders (all carrying extension ladders.)
1	Deputy Chief Officer, Fire Brigade.	5	Trailer Pumps.
1	Second Officer.	1	100′ all Steel Turntable Ladder with pump.
19	Station Officers (Includes two Temp. posts).	1	85′ Motor Turntable Ladder.
1	Motor Mechanic.	1	82′ Motor Turntable Ladder.
1	Sub-Officer.	1	Motor Emergency Tender.
5	Fitters	1	Motor Car.
39	Motor Drivers.	4	Motor Lorries. (Includas one with hauling gear.)
37	Tindals	1	Motor Canteen Van.
238	Firemen.	7	Motor Ambulances.
1	Turncock.	4	50′ Fire Escapes.
1	Carpenter.	8	60′ Fire Escapes.
3	Mochies.	12	Extension Ladders.
8	Halalkhores.	18	Hook Ladders.
		7	Hose Reels.
	Office Staff—	12	Smoke Helmets or Breathing Apparatus.
		1	Oxy-Acetylene Cutting Plant.
1	Head Clerk.	2	Sets of Foam-making Equipment.
5	Clerks.	1	Portable Electric Lighting set.
			42,650′ ft. Rubber Lined Hose.
	Ambulance Staff—		3725′ ft. unlined Hose.
7	Motor Drivers.		Chemical Extincteurs and other small appliances.
19	Attendants (Firemen).		

Appendix II.

BOMBAY FIRE BRIGADE

Statement showing Distribution of Appliances, etc.

	STATION										
	Head-quarters.	Alex-andra Docks.	Gowalia Tank.	Sewree Cotton Depot.	Fort.	Colaba.	Shivaji Park.	Dadar.	Memon-wada.	Mandvi.	Total.
Appliances, etc.											
Motor Pumps ...	4	2	1	1	1	1	1	1	3	2	17
Fire Tenders ...	1	...	...	...	...	...	...	1	2	...	4
Trailer Fire Pumps ...	2	...	...	...	...	...	...	1	2	...	5
Motor Turntable Ladder ...	...	...	...	...	1	...	...	...	...	1	2
Motor Turntable Ladder with pump.	1	...	...	...	...	...	...	...	...	...	1
Motor emergency tender ...	1	...	...	...	...	...	...	...	...	...	1
Motor Car ...	1	...	...	...	...	...	...	...	...	...	1
Motor Canteen Van ...	1	...	...	...	...	...	...	...	...	...	1
Motor Lorries ...	4	...	...	...	...	...	...	...	...	...	4
Fire Escapes ...	4	1	1	1	1	1	...	1	1	1	12
Extension Ladders ...	2	1	...	...	1	...	1	1	4	2	12
Hook Ladders ...	4	...	2	...	1	...	2	3	4	2	18
Hose Reels ...	1	...	1	1	...	1	...	1	1	1	7
Sets of breathing apparatus and Gas masks, etc.	1	2	1	1	2	1	1	1	1	1	12
Foam Making Equipment ...	2	...	...	...	...	...	...	...	...	...	2
Oxy-Acetylene cutting plant ...	1	...	...	...	...	...	...	...	...	...	1
Portable electric lighting set ...	1	...	...	...	...	...	...	...	...	...	1
Delivery Hose in feet ...	10,200	4,100	2,250	3,000	3,300	1,750	2,925	5,650	10,050	3,150	46,375
STAFF											
Fire Brigade.											
Principal Officers including Chief Officers.	8	3	1	1	1	1	1	1	4	1	22
Motor Mechanic ...	1	...	...	...	...	...	...	...	...	...	1
Sub-Officer ...	1	...	...	...	...	...	...	...	...	...	1
Fitters ...	5	...	...	...	...	...	...	...	...	...	5
Motor Drivers ...	17	3	2	1	3	2	1	3	5	2	39
Tindals ...	17	3	1	1	2	2	1	3	5	2	37
Firemen, etc. ...	72	21	14	13	21	13	12	20	32	20	238
Turn cocks ...	...	...	...	...	...	...	...	1	...	...	1
Carpenter ...	1	...	...	...	...	...	...	...	...	...	1
Mochies ...	3	...	...	...	...	...	...	...	...	...	3
Halalkhores ...	3	1	...	1	1	...	...	1	1	...	8
Ambulance Service.											
Ambulances ...	4	2	...	...	...	...	...	1	...	...	7
Motor Drivers ...	4	2	...	...	...	...	...	1	...	...	7
Firemen (Attendants) ...	13	4	...	...	...	...	...	2	...	...	19

Appendix III.

BOMBAY FIRE BRIGADE.

Summary of calls to Fires (including false alarms) showing the number of times appliances of the Fire Brigade attended and were used for extinguishing fires during the year 1947-48.

No.	Stations.	Number of fire alarms actuated.	How called.							Appliances attended.						Extinguished by.									
		Fire Brigade.	Private.	By Strangers.	By Fire Alarms.	By Exchange Telephone. No.	By Police or Salvage Corps.	By Private Telephones.	Total.	Motor Pumps carrying Escape or Ladder.	Trailer Fire Pump.	Motor Turntable Ladder.	Motor Turntable Ladder with Pumps.	Motor Emergency Tender.	Fire Tender.	Buckets.	Sand.	Chemical Extincteurs.	Hand Pumps.	First Aid Appliance.	Hydrants.	Motor Pumps.	Foam Generator.	Automatic Sprinkler heads. actuated.	Smoke helmet or breathing apparatus used.
1	Headquarters ...	17	4	17	77	378	8	...	480	324	33	...	190	73	...	3	4	1	...	25	14	91	...	2	...
2	Alexandra Docks	15	1	3	46	...	...	34	83	174	...	...	...	...	...	7	6	1	...	20	1	27	...	...	...
3	Gowalia Tank	27	5	7	97	...	10	...	114	192	...	...	...	...	...	2	5	...	1	16	11	2	...	...	...
4	Sewree ...	9	8	2	35	...	1	...	38	85	...	...	...	...	...	...	1	...	1	10	3	19	...	...	...
6	Fort ...	16	5	10	47	...	4	...	61	155	...	112	...	...	...	5	7	2	2	18	2	9	...	1	...
7	Colaba ...	8	2	5	16	...	...	...	21	77	...	...	...	...	...	...	2	...	1	6	...	8	...	...	...
8	Shivaji Park ...	...	...	5	...	...	1	...	6	124	9	...	...	...	...	4	...	2	1	15	3	34	...	38	...
10	Dadar ...	33	1	2	120	...	2	...	124	152	75	...	...	...	75	2	1	2	2	20	4	28	...	...	...
11	Memonwada ...	28	4	15	196	...	6	...	217	404	260	...	...	...	260	17	13	...	3	46	12	63	...	...	...
12	Mandvi ...	11	1	4	51	...	1	...	56	124	...	...	...	...	...	3	4	...	...	12	2	30	...	...	...
	Total ...	164	31	70	685	378	33	34	1200	1811	377	112	190	73	335	43	43	8	11	188	52	311	...	41	...

Appendix IV.

BOMBAY FIRE BRIGADE.

Monthly summary of fires and annual losses for the period from 1938-39 to 1947-48.

Year.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	Total.	Estimated Loss.
														Rs.
1938-1939 ...	37	34	20	23	17	19	33	42	40	38	33	37	373	8,36,346
1939-1940 ...	29	42	25	20	21	18	20	31	34	28	22	23	313	25,44,167
1940-1941 ...	20	28	16	23	14	17	29	34	27	31	27	26	292	3,51,262
1941-1942 ...	42	31	23	19	21	28	44	44	33	40	43	45	413	49,33,556
1942-1943 ...	44	37	28	21	55	33	53	43	29	41	37	41	462	25,12,167
1943-1944 ...	34	69	27	18	38	18	39	34	53	47	48	48	473	36,75,006
1944-1945 ...	53	51	36	26	29	39	42	56	54	46	55	69	556	51,86,682
1945-1946 ...	52	56	47	30	42	48	57	90	69	73	107	66	737	38,33,627
1946-1947 ...	81	58	40	25	24	120	122	102	100	126	71	85	954	67,49,534
1947-1948 ...	47	67	51	47	45	42	61	65	70	69	71	68	703	55,77,988

APPENDIX V

BOMBAY FIRE BRIGADE

Brief details of the most Serious Fires during the year 1947-48.

Date.	Time.	Place.	Business.	Extinguished by.	Damage by fire, heat, smoke and water.	Estimated Loss.
						Rs.
16th August 1947.	7-52 P.M.	21-23, 17-19, 25-27, 29-31 Dhanji Street.	General Merchants...	Firemen with 10 Motor Pumps.	A large quantity of crockery, yarn, papers, office records, furniture etc., severely damaged in a six-floored building about 100×20 feet (used as offices, shops and dwellings).	5,19,460
11th September 1947	2-20 A.M.	Sherif Devji Street ...	Furniture Merchant...	Firemen with 10 Motor Pumps .	A large quantity of furniture severely damaged in a five-floored buildings, about 60×30 (used as shops and godowns). Roof offand floors collapsed.	2,83,100
17th September 1947.	2-11 A.M.	251-259 Duncan ... Road.	Foundry and Cotton Waste Merchant.	Firemen with 8 Motor Pumps.	Contents of foundry and large quantity of quantity of cotton waste severely damaged in a three-floored building about 90 ×50 feet (used as foundry and godowns).	1,80,250
22nd October 1947.	7-45 A.M.	7 45 Tardeo Road ...	Artificial Silk Mfg. Co., etc.	Firemen with 8 Motor Pumps.	Contents consisting of a large quantity of mill machinery, artificial silk, furniture etc., severely damaged in a three-floored building about 150×60 feet (used as factory and godowns).	2,58,800
27th October 1947.	6-19 P.M.	Moreland Road ...	Mill Stores suppliers.	Firemen with 11 Motor Pumps.	Contents consisting of a large quantity of mill machinery, lubricating oil etc., severely damaged in a two-floored building about 300×40 feet (used as godowns and dwellings).	25,10,400
7th November 1947.	1-50 A.M.	Victoria Road ...	Timber Merchants ...	Firemen with 11 Motor Pumps.	A large quantity of timber severely damaged in two ground floor G. I. sheds each about 150×75 feet (used as timber godowns).	3,68,300
2nd January 1948.	1-31 P.M.	Azad Maidan, Dhobi Talao.	Exhibition ...	Firemen with 9 Motor Pumps.	Contents consisting of piecegoods, yarn, tea, textie goods, woollen and cotton materials, rubber products etc., severely damaged in a temporary structure about 800×600 feet (used as exhibition stalls).	5 00,000

APPENDIX VI

BOMBAY FIRE BRIGADE

Summary of lives lost at fires during the year 1947-1948 including persons who succumed to the injuries received.

Date.	Time.	Place.	Remarks.
11th April 1947 ...	12-15 P.M.	21, Samuel Street ...	Bai Lilawatibai Wadilal Punamchand, aged 19 years, severely burned on upper part of body. Died before arrival of Brigade. Body handed over to Police.
29th April 1947 ...	9-18 A.M.	56, Shamseth Street ...	Bai Jaswantibai Vallabhdas, aged 19 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance and detained. (Since dead).
1st May 1947 ...	9-36 A.M.	Vithal Wadi ...	Bai Saralabai Manilal, aged 25 years, burned to death. Body handed over to Police.
11th May 1947 ...	3-46 P.M.	Vithoba Lane ...	Bai Jayabai Gordhandas, aged 20 years severely burned all over body. First aid rendered by Brigade and emoved to hospital in Brigade Ambulance and detained. (Since dead).
17th June 1947 ...	9-38 P.M.	New Foras Road ...	Mr. N. V. Oza, aged 52 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance and detained. (Since dead).
27th June 1947 ...	4-45 P.M.	Hornby Vellard ...	Amrutlal Raichuna, aged 35 years, severely burned on back. Taken to hospital before arrival of Brigade. (Since dead).
			Shankar Shivram, aged 45 years, severely burned all over body. First aid rendered by Brigade and taken to hospital by Police. (Since dead).
30th June 1947 ...	7-1 A.M.	Mastan Talao Cross Lane ...	Dost Mahomed Gulkhan, aged 35 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. (Since dead).
24th July 1947 ...	1-30 P.M.	Keshar Villa, Vincent Road ...	Tailamma Ram Iyer, aged 50 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. (Since dead).
			Ram Iyer, aged 60 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. (Since dead).
25th July 1947 ...	8-25 A.M.	85-A, Hathibaug Lane ...	Bai Shantibai Raghunath, aged 30 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. (Since dead).
14th August 1947 ...	8-2 P.M.	Grant Road ...	Savak N. Gazdar, aged 60 years, severely burned all over body First aid rendered by Brigade and removed to hospital in Brigade ambulance and detained. (Since dead).
19th August 1947 ...	12-15 A.M.	Bhagwati Bhuvan, Vincent Road, King's Circle.	Bai Manjulabai Mulraj Mavji, aged 20 years, severely burned on face, hand and chest. First aid rendered by Brigade and removed to hospital in Brigade Ambulance and detained. (Since dead).
11th September 1947 ...	2-20 A.M.	Sherif Devji Street ...	Allarkha aged 30 years, burned to death. Body handed over to Police.
23rd November 1947 ...	4-41 P.M.	DeLisle Road, opp. B.B. & C.I. Rly. Workshops.	Bai Nathubai Gala, aged 28 years severely burned all over body First aid rendered by Brigade and removed to hospital in Brigade Ambulance. (Since dead).
3rd March 1948 ...	9-35 P.M.	Tardeo Road ...	Pyarelal Hiralal, aged 25 years, severely burned all over body. First aid rendered by Brigade and removed to hospital in Brigade Ambulance. (Since dead).
			Dharma Covind, aged 20 years, severely burned all over body. First aid rendered by Brigade and died on way to hospital.

SUPERINTENDENT OF GARDENS

Annual Administration Report of the Gardens Department for the year 1947-48.

1. During the year under report the undersigned continued to be in charge of the Gardens Department except from 27th August 1947 to 15th September 1947, when Mr. J. N. Barowa, Assistant Superintedent (Zoological Section) was put in charge of the duties in addition to his own. (A new post of an Assistant Superintendent (Botanical Section) and a Steno-typist were created during the year.

2. As in last year, 85 sites consisting of 18 gardens, 4 fountains, 2 bandstands, 7 Traffic islands, 3 open spaces, 47 recreation grounds 1 statue and ornamental hedges at 3 places, were in charge of the department.

3. The machine recording the number of visitors to the Victoria Gardens was out of order during the latter part of the year and it could not be repaired for want of necesary materials. However there was an appreciable increase in the number of visitors than in the preceding year, due to the influx of refugees from all parts of India. Among the prominent visitors to the Garden during the year, mention must be made of their Excellencies, *Ex.* Governor of Bombay Sir John Colville and Lady Colville, their Excellencies Sir Maharajsing Governor of Bombay and Rani Maharajsing, the Hon'ble Miss Amrit Kaur, Minister of Health, Government of India, and His Excellency Ibrahim Kadri Beg, Under Secretary of State in the Royal Egyptian Ministry of Agriculture.

4. The Vegetable, Fruit and Flower Show, which is to be an annual event to be run departmentally had to be abandoned due to the assassination of Mahatma Gandhi and the period of mourning declared there-after.

5. During the year under report the stock of birds and animals which had been very badly depleted during the period of war was replenished and by constant efforts in this direction the department was able to secure many rare birds and mammals for the Zoo. It is also noteworthy to mention the valuable presents of a pair of Kangaroo made by the Trade Commissioner of Australia, and 2 pairs of Lions and a pair of Tigers by the Junagadh State. The proposal for the purchase of rare animals and birds worth Rs. 7,000 from Africa and Australia have been sanctioned and negotiations are going on with the dealers to expedite the supplies. The steam-ship companies have also once again as in the past very kindly agreed to the free shipping of the live-stock. The animals however could not be shipped during the monsoon and hence they would arrive about the end of the year.

6. Band, Vocal music and Radiogram programmes could not be arranged during the year due to the distrubed conditions in the Ctiy.

7. With the departmental labour and old materials a few grassy mounds with gorges were constructed in the antelopes' enclosure to provide a natural environment. For temporary deposit and exhibition of reptiles a small island in the gardens was cleared and remodelled with the pond surrounding it. The latter is being utilized for the variety of Gorami fish procured by the fisheries department of the Government of Bomey for breeding. These spots are attracting a large number of visitors. The work of (*i*) General repairs and painting the Garden Superintedent's quarters was done to the extent of funds available and the remaining has been provided for during the next year. (*ii*) The masonary tank and its surrounding pavement near the bullocks stable at Victoria Gardens were repaired. (*iii*) Football posts at Triangular play-ground at Club Back Road were put up. (*iv*) One R.C.C. Post mortem room with R.C.C. platform in the Infirmary was constructed. (*v*) A traffic Island and angle iron fencing in place of teak wood fencing were put up. (*vi*) The clock on the Tower has been repaired and is working satisfactorily.

8. There were a good deal of planning for expansion and improvement in the zoo section, but the proposed works could not be carried out due to inadequate provision.

9. The Assistant Superintedent (Zoological section) was out for about a fortnight on an official tour to South India visiting the zoos of Madras, Trivendrum, Trichur (Cochin) and Mysore. The knowledge gained by him will be valuable for effecting improvements in our zoo. He has made many useful suggestions in this direction, which are being given effect to.

10. On the increase and decrease side of the livestock the ratio of increase to decrease is 2 to 1 as against 0.5 to 1 of the last year. Increase: 22 animals and 116 birds were born; 63 mammals, 50 birds and 5 reptiles were received as presents ; 10 mammals and 154 birds were purchased ; and 3 mammals and 26 birds got in exchange. Decrease : 55 mammals, 102 birds, and 2 reptiles died ; 10 mammals, 78 birds and 5 reptiles sold ; 5 mammals and 2 reptiles given in exchange, and 1 reptile was stolen.

11. Sale proceeds of the elephant and camel rides show an increase of about 2.5 per cent., which shows the increased popularity of such amenities provided to the visotors.

12. Botanical specimens were supplied as usual to educational institutions, and prominent visitors from all parts of India were taken round the gardens.

13. The directed play centres at Mustan Tank, Willingdon Memorial Playground, Playground at 2nd Peerkhan Street and play-ground situated at Club Back Road and Reynolds Road continued to be popular.

14. The expenditure of the Gardens Department during the year under report was Rs. 2,69,199-5-3 and the income from the sale of flowers etc.,was Rs. 16,528-15-6 as against the expenditure of Rs. 2,93,300-5-0 and income of Rs. 16,243-6-0 during the previous year.

D. I. AHMADI,
Superintendent, Municipal Gardens.

VICTORIA & ALBERT MUSEUM.

Subject: *Administration Report for the year 1947-48.*

I held the office of Curator, Victoria and Albert Museum, during the year except from 24th December 1947 to 29th December 1947, when I attended the Annual Meeting of the Museums' Association of India and when Mr. L. B. Samant acted as Curator in my place.

The number of Visitors to the Museum during the year under report and the previous year are as under :—

Year.	No. of days the Museum was open	Total number of visitors.	Daily average of visitors.
1947-48 ..	275	9,74,423	3,543
1946-47 ..	287	9,60,014	3,345

The Museum was closed to the public from 3rd December 1947 to 3rd January 1948, for urgent repairs work and on 31st January 1948 and 12th February 1948 being mourning days for the death of Mahatma Gandhi and on 14th, 17th, 19th, 20th February 1948 on account of Municipal Elections and counting of votes etc. and on 9th and 25th March 1948 on account of Mahashivratri and Holi, the last two being allowed as a special case for the Mseum staff, from this year.

The following specimens were purchased for the Museum :—

(1) Ajanta Frescoes Volume III.
(2) A View of Old Bombay, c. 1820.
(3) Description of Bombay.
(4) La Miniature en Orient.
(5) An embroidaried garment from Dharwar.

A two-dimensional plan of Slum Clearance and ideal layout thereof was prepared. The plan shows all civic amenities necessary for an ideal town.

About 135 Curators and Museum enthusiasts who attended the Annual Meeting, at Bombay, visited the Museum by special invitation, when they were shown round the various gallries. All of them expressed their admiration for Agriculture and Industrial Models and old Bombay Collections. The Director General of Archaeology in India also, later, visited the Museum and showed very keen interest in our Local Collections.

A Model of Toddy Shop was lent to the Provincial Prohibition Board in connection with the All India Industrial and Agricultural Exhibition. Further research work in connection with the Biographical Dictionary of Old Bombay Worthies was continued.

The accessioning work of books in the Museum Reference Library was continued.

Repairs to and repainting of Models, and cleaning of show cases and specimens was carried out as usual. The model of Weaver's House was exhibited after completely renovating it.

A Fumigation Chamber was installed in the Museum and 114 books were chemically fumigated.

16 Books dealing with Indian Art, Archacology, etc,, were purchased for the Museum Reference Library.

The pupils from Primary and Secondary Schools of the City who visited the Museum during the year numbered 4,327 against 2,756 during the preceding year.

S. C. UPADHYAYA
Curator.

MUNICIPAL LIBRARIES.

Subject: *Administration Report, for the year 1947-48.*

I held the Office of the Chief Librarian, Municipal Free Reading Rooms and Libraries Department during the year 1947-48 except from 24th December 1947 to 29th December 1947 when I attended at Bombay the Annual Meeting of the Museums' Association of India and when Mr. B. V. Mahajan, Senior clerk, acted in my place.

The part-time Library opened in the Victoria Gardens (Museum Compound) from 1st October 1946 was continued to work during the year under report as it was found well taken advantage of by the public.

Action was taken against two peons for negligence of their duties and they were dismissed from the Municipal services. One peon and one Librarian resigned and their vacancies were duly filled in by new appointments.

One of the Librarians passed the Diploma course in Librarianship of the Bombay University.

Premises of the Halai Memon Municipal Free Reading Room and Library were shifted to a better site in the same locality and is known as Minara Masjid.

The Book Selection Committee continued to help the Chief Librarian in purchasing Books. Popular and interesting publications in local vernaculars and English, on various subjects, such as General Knowledge Philosophy, Religion, Science, Useful Arts, Fine Arts, Literature and History including Biography were purchased as under :—

Language.		1947-48	1946-47
English	..	222	224
Marathi	..	237	244
Gujarati	..	189	146
Hindi	..	206	69
Urdu	..	93	45
		947	728

All the above books were accessioned, classified and catalogued. Author and Title cards for all of them were prepared. Accessioning and classifying work of the books (Old stock) in the Halai Memon Library was undertaken.

Two more Indian Magazines and additional newspapers were subscribed to.

The subjoined statement gives the comparative statement of the persons who availed themselves of the Municipal Free Reading Rooms and Libraries and the work done therein.

S. C. UPADHYAYA
Chief Librarian.

Annual statement of visitors &c., to the Municipal Free Reading Rooms and Libraries for 1947-48.

Serial No.	Number of Visitors.	Books issued. On deposits.	Books issued. Without deposits.	New Depositors.	No. of Refunds.	Dailies	Bi-Weeklies.	Weeklies.	Fortnightlies.	Monthlies.	Quarterlies	Name of the Library
1	38,565	1,978	871	87	60	9	1	3	1	7	2	Parel Library
2	60,191	2,618	6,348	24	50	4	2	6	1	16	2	Gell Street Library
3	17,983	2,138	3,155	29	22	5	1	2	1	11	1	Foras Road Library,
4	19,681	201	608	5	10	11	0	5	1	5	1	Kamathipura Library,
5	25,064	3,211	853	77	67	6	1	2	1	10	2	Chikhalwadi Library,
6	26,053	2,091	161	78	91	10	0	7	1	3	1	Minara Masjid Library.
7	22,144	2,941	328	59	36	6	0	3	1	9	1	Null BazarLibray,
8	18,761	2,902	1,113	77	66	8	1	8	1	8	1	BapuKhote Street Library,
9	12,321	4,836	2,790	26	20	6	1	4	0	10	1	Naviwadi Library,
10	685	...	685	...	...	...	...	...	...	1	1	Circulating Libraiy,
11	24,366	157	500	12	10	9	1	4	1	4	...	Teli Mohalla Library,
12	5,730	1,702	655	26	17	5	1	4	1	9	1	Mandvi Library.
13	36,162	1,321	1,714	34	28	10	1	5	1	11	1	Gokhale Road Library,
14	...	1193	...	69	63	...	...	...	...	...	...	Victoria Gardens Library, (Part-time).
Total	3 07 706	27 289	19 781	603	540							
46-47	3 12 222	29 264	21 250	685	563							
45-46	3,70,101	31,807	25,434	809	578							
44-45	3 77 677	26 796	28,953	856	410							
43-44	2 91 180	12 047	24,224	902	...							

CENTRAL STORES

Subject: *Administration Report for the year 1947-48.*

Tenders were invited for the purchase of stores during the year under report in 80 cases against 87 in the preceding year. The number of contracts for the various Schedule articles entered into during the year was 91 against 71 in the preceding year, some of the tenders having been rejected due to high rates quoted by the tenderers. Materials, the acquisition of which is prohibited except in conformity with licenses granted by Government, were secured at controlled rates from the controlled stockists or producers in accordance with licences or permits issued by Government.

2. The value of stores and other materials purchased during the year including articles received from other Departments on Return Stores Mema amounted to Rs. 28.19. lakhs against Rs. 17.68 lakhs in the preceding year. This increase is mainly due to purchase of C.I. and G.I. pipes, iron material, cement and cloth from Contractors and Government during the period under report.

3. Most of the articles purchased during the year under report were of Indian manufacture and the value thereof amounted to Rs. 27.19 lakhs. The value of foreign goods purchased amounted to about Rs. 1.00 lakh.

4. 4,405 orders for the purchase of stores were placed with the Contractors and other dealers against 4,221 in 1946-47 and 3,763 in 1945-46.

5. 23,873 indents and sales mema were received from the departments against 20,609 in the preceding year.

6. Indented articles which were not in stock or for which no contracts had been entered into were secured from the market by invitation of quotations, or tenders by public advertisements, except in a few cases wherein direct purchases were made from the market as such a course was found to be more economical and expeditious. The total number of casual or market enquiries or quotations invited was 1,180 against 1,219 in the preceding year.

7. During the year, no dust bins could be sold to house-owners owing to the difficulty of securing galvanized sheets for manufacturing them due to control restrictions.

8. Articles received from Contractors and others were carefully examined and compared with the approved samples before acceptance and where the articles supplied differed from the samples they were rejected and got replaced.

9. C.I. and other scrap received from different departments was sold by public auction. The highest rate realized for C.I. scrap was Rs. 172 per ton against Rs. 152 per ton in the preceding year. The total amount realized by sale of scrap and other unserviceable articles by public auction during the year amounted to Rs. 30,580-4-0. against Rs. 57,426-1-6 in the preceding year.

10. The total turn-over of the department, *viz.*, the receipts and issues of stores during the year came to Rs. 51.52 lakhs against Rs. 36.14 lakhs in the preceding year.

11. The stock of stores on hand was verified departmentally and through the Municipal Stock Verifier. The departmenal vertification and the verification by the Municipal Stock Verifier showed no appreciable difference during the year.

12. The abnormal conditions created by the war seriously affected the department. The annual tenders for the supply of materials during 1948-49 according to the various schedules which were invited in the months of November and December 1947 quoted rates considerably higher than the market rates. In several cases, the tendered rates were exhorbitant. It was therefore, decided to reject such tenders even though such a step increased the work of the department.

13. The value of stores in hand at the close of the year was Rs. 14.47 lakhs against Rs. 9.60 lakhs in the preceding year.

14. Apart from the scarcity of materials and the cancellation of schedules due to higher rates the various control orders of the Provincial and Central Governments prohibiting the acquisition of materials except in conformity with licenses or permits issued by Government aggravated the difficulties of the department and increased its work enormously. However, the department has been able to meet these difficulties and play its role as the Chief Supplying Agency to the Municipal Departments.

15. I append herewith statements showing (*a*) the stores transactions during the year as required by Clause XXIX of the Stores Audit Manual (Appendix 'O') and (*b*) the details of the stock in hand at the close of the year.

16 During the year, the office of the Controller of Stores was held by Mr. A. H. K. Shaikh upto 30th April, 1947 when he was promoted to the post of Superintendent of Licenses and Shops Establishments and thereafter by the undersigned.

M. V. NABAR,
Ag. *Controller of Stores.*

APPENDIX 'O'

(a) *Statement showing Stores Transactions during the year 1947-48.*

Particulars.	General Stores.	Capital Stores.	Line Suspense Stores.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Value of Stores on hand on 1st April 1947. ...	6,43,748 4 5	2,39,975 5 6	76,893 3 3	9,60,616 13 2
Value of Stores receipts including transfers during 1947-48.	19,36,897 15 7	8,82,033 1 0	676 1 0	28,19,607 1 7
Total ...	25,80,646 4 0	11,22,008 6 6	77,569 4 3	37,80,223 14 9
Less—				
Value of Stores issued including transfers during 1947-48.	16,24,268 0 8	7,05,203 12 0	3,014 4 0	23,32,486 0 8
Balance on 1st April 1948. ...	9,56,378 3 4	4,16,804 10 6	74,555 0 3	14,47,737 14 1

(b) *A statement showing the details of stock held on 31st March 1947 and 1948.*

	Particulars.	1947.	1948.
		Rs. a. p.	Rs. a. p.
	Capital Account—		
1	C.I. Pipes, tubes, hydrants and cement ...	1,98,461 8 6	3,76,277 2 6
2	Manholes, Circular, sluice valves and other water works castings, etc. ...	19,705 7 0	17,869 11 0
3	Stoneware pipes and Indian Hume Pipes, etc. ...	21,808 6 0	22,657 13 0
	Line Suspense Account—		
4	Water Works castings on the line ...	76,893 3 3	74,555 0 3
	General Account—		
5	G.I. Pipes and fittings and brass fittings ...	84,508 5 10	66,573 7 1
6	Meter spares and meters ...	50,581 9 6	32,508 13 6
7	Cast iron specials, water works castings and Spindles, brass ...	1,17,658 0 3	2,26,261 14 1
8	Bolts and nuts ...	2,888 13 0	10,322 2 0
9	Brooms, Goa ...	139 13 0	1,474 4 0
10	Cables and wires ...	9,984 6 0	21,067 2 0
11	Electric wires and accessories ...	17,870 13 0	20,931 13 0
12	Files and Rasps ...	904 3 0	2,538 12 0
13	S. M. Sections ...	39,370 0 0	46,043 13 0
14	Lead pipes and zinc sheets ...	502 14 0	485 11 0
15	S. M. Plates ...	6,663 2 6	6,661 0 6
16	Coir goods and tin articles ...	242 8 0	279 1 0
17	Motor spares ...	15,182 6 0	14,419 1 0
18	Nuts, rivets and nails ...	7,573 7 0	12,504 2 6
19	Oil castor, cocoanut, sweet and kerosene ...	3,980 2 0	2,530 4 0
20	Lubricating oil and grease ...	2,513 5 0	2,953 2 0
21	Timber ...	4,308 14 0	2,797 0 0
22	Drainage castings ...	37,078 10 0	49,537 11 0
23	Disinfectants ...	3,945 13 0	3,334 15 0
24	Clothing ...	99,684 4 2	1,90,248 11 2
25	Hose canvas for rubber ...	5,219 6 0	7,369 8 0
26	Spare parts for stone crusher ...	3,194 13 0	3,894 12 0
27	Lead Pig ...	1 2 0	16,743 1 0
28	Miscellaneous ...	1,29,751 10 2	2,14,898 2 6
	Total Rs...	9,60,616 13 2	14,47,737 14 1

M. V. NABAR.

Acting Controller of Stores.

LICENCES, SHOPS AND ESTABLISHMENTS.

"Subject: *Administration Report for the year 1947-48.*

Licence Section.

The revised Schedule of Licence Fees was brought into force during the year under report.

2. *Licences under Sections 394 and 412A and permits under Sections 390 and 393 of the Municipal Act*:— The Total number of licences and permits issued under these sections during the year was 28,739, and the fees realised therefrom amounted to Rs. 6,14,542. A comparative statement of the number of licences issued and the fees realised during the year and the preceding two years is as shown below:—

Particulars.	Number of permits and licences.			Amount of fees recovered.		
	1945-46.	1946-47.	1947-48	1945-46.	1946-47.	1947-48.
				Rs.	Rs.	Rs.
Commodities and Trades (Section 394) ...	23,483	26,357	26,583	2,52,607	2,47,873	6,00,747
Steam Whistle Blowing (Section 393) ...	40	46	41	397	460	840
Milk Products, Ghee and Butter (Section 412-A).	1,013	1,023	1,011	2,394	2,443	4,636
Factories (Section 390)	168	97	77	4,637	2,542	4,615
Transfer of Licences (Sections 394 and 412-A) ...	990	1,054	977	2,618	2,578	3,586
Transfer of Permits (Section 390)	57	19	50	119	40	118
Total ...	25,751	28,596	28,739	2,62,762	2,55,936	6,14,542

3. The amount due as licence fees on 31st March 1948 was Rs. 14,743 in respect of 677 notices of demand as against Rs. 9,620 in respect of 696 notices of demand on 31st March 1947. Licence fee recovered in excess amounting to Rs. 930-0-0 was refunded during the year. The loss of revenue incidental to the disuse or demolition of old licensed places or the diversion of their user not entailing licences amounted to Rs. 23,288 against Rs. 17,167 in the preceding year. Miscellaneous receipts amounted to Rs. 1,632 against Rs. 689 in the preceding year.

Advertisements.

4. The total numer of permits for advertisements issued during the year under Sections 328 and 328-A was 2,028 and the receipts therefrom amounted to Rs. 2,08,364. A comparative statement of the number of permits issued and the fees realised during the year under report and the previous two years is as shown below:—

Particulars.	Number of permits issued.			Amount of fees collected.		
	1945-46.	1946-47.	1947-48.	1945-46.	1946-47.	1947-48.
				Rs.	Rs.	Rs.
Wall posters, Hoardings and Boards	1,097	971	978	67,742	51,131	66,624
Movable boards on hand-carts, etc. ...	362	285	250	29,752	62,488	61,172
Illuminated Advertisements and Sky-signs ...	63	173	359	2,791	7,824	38,417
Non-Illuminated Sky-signs and Advertisements ...	515	423	365	20,468	16,740	23,484
Non-Illuminated Kiosks	12	12	12	...	...	...
(Number of Kiosks)	(2,450)	(2,012)	(1,908)	3,063	2,515	4,763
Wall Paintings	68	65	63	9,819	7,212	8,738
Auctioneers	1	1	... 1	100	100	200
Space Rent	...	...		3,074	2,222	1,222
Composition for delayed payments	...	...	...	4,149	4,013	3,744
Total ...	2,116	1,930	2,028	1,40,958	1,54,245	2,08,364

Hawkers.

5. *Licences under Sections 313 and 313A.*—The total number of hawker and squatter licences issued during the year was 43,352 and the fees realised therefrom amounted to Rs. 2,79,338. The removal charges recovered under Section 490 amounted to Rs. 38,147. These figures compare with those of the preceding two years as under:

Particulars.	Number of licences issued.			Amount of fees collected.		
	1945-46.	1946-47.	1947-48.	1945-46.	1946-47.	1947-48.
				Rs.	Rs.	Rs.
Squatters fees collected in Reserved Areas (under Section 313)	36,835	33,277	33,183	1,53,425	1,43,347	2,46,811
Fees received from itinerant hawkers' licences (under Section 313-A)	6,437	6,268	10,169	12,498	11,686	32,527
Total ...	43,272	39,545	43,352	1,65,923	1,55,033	2,79,338
Recovery of expenses under Section 490 for removal of encroachments under Section 314...	...	...	...	36,864	22,915	38,147
Total ...	43,272	39,545	43,352	2,02,787	1,77,948	3,17,485

6. The number of prosecutions launched during the year under report and the results thereof as compared with those of the preceding two years are as under :—

Year.	Offence against Section.	Total No. of cases instituted.	No. of cases withdrawn on compliance with law.	No. of cases which resulted in conviction.	Amount of fines inflicted. Rs.	No .of cases which resulted in acquittal.	No. of cases remaining undisposed of on 31stMarch1948.
1945-46 ...	394	1,458	1,069	420	10,962	7	60
1946-47 ...	...	1,409	693	348	20,056	6	422
1947-48 ...	...	1,459	1,242	478	20,009	13	148
1945-46 ...	328 & 328-A	700	708	30	102	...	80
1946-47 ...		593	297	25	250	2	349
1947-48 ...		661	755	47	880	6	202
1945-46 ...	412-A	40	40	1	5	...	1
1946-47 ...	...	33	28	...	...	...	6
1947-48 ...	...	45	33	3	70	...	15

7. *Revenue.*—The total revenue of the department was Rs. 11,42,025.

8. *Special Annual Cattle Census.*—During the year under report, a Special Annual Census of Cattle in the City was undertaken by this department on behalf of Government. The preliminary enumeration was started on 12th January 1948, and the work finished on 31st January 1948. The census returns, after verification, were sent to the Director of Animal Husbandry and Veterinary Science, Poona, on 13th March 1948.

Shops and Establishments Section.

9. *Complaints.*—Of the complaints received last year, 19 remained to be investigated, and during the year under report, 375 fresh complaints were received relating mostly to the absence of rest interval and weekly holidays. 340 complaints were investigated and action taken where necessary. At the close of the year, 54 complaints remained pending.

10. *Mass Raids.*—Mass raids were arranged as in previous year, as it was found that such raids helped enforcement of the Act more effectively. The total number of mass raids carried out upto the end of the year was 126 (76 by day and 50 by night).

11. *Visits and re-visits to establishments.*—The number of visits and re-visits paid to the establishments upto the close of the year was 57,246 to shops, 7,287 to commercial establishments, 116 to places of amusements and 9,234 to restaurants.

12. *Prosecutions.*—Out of the prosecutions launched in the preceding year, 1,195 were pending at the close of the year and 5,120 new prosecutions were instituted. Out of these, 6,315 cases during the period under repert 5,899 were disposed of, 5,784 resulting in convictions, 79 being withdrawn and 36 ending in acquittals. The number of cases pending at the end of the year was 416. The total amount of fines inflicted was Rs. 1,10,838 giving an average of Rs. 18-12-7 per case or Rs. 9-6-5 per charge, each case generally involving multiple charges.

14. *Exemption.*—During the year under report, exemption was renewed by Government in the case of chemists and druggists' shops. Temporary exemption was also granted by Government to the Free India Agricultural and Industrial Exhibition held at Azad Maidan from 3rd December 1947 to 4th January 1948,

Some of the provisions of the Act were, as usual, relaxed during Pateti, Ganesh Chaturthi, Ramzan and Ramzan Id, Diwali, X'mas and Jamshedji Naworoz Holidays as was done in the previous year.

14. *Grant- in-aid.*—Government sanctioned a grant-in-aid of Rs. 37,937 The grant-in-aid was low compared with the expenditure incurred on the administration of the Act which was Rs. 1,01,695-12-3 A representation is, however, made to Government to re-consider the matter in consideration of the expend ture on the administration of the Act.

15. The working of the Act during the last 7 years has brought to light many short-comings in the Act which require to be remdied if the employees in the establishment governed by the Act are to obtain the relief which was envisaged by the framers and for which the labouring classes are clamouring. The Shah Committee appointed to go into the working of the Shops and Establishments Act have submitted their report and it is hoped that it will receive due consideration at the time of considering the amendments to the Shops and Establishments Act. It is also gratifying to note that the members of the Committee observe with satisfaction the thoroughness with which the Act was administered by this Municipality.

A. H. K. SHAIKH,
Superintendent of Licences,
Shops and Establishments.

MARKETS.

Subject: *Administration Report for the year* 1947-48.

The total receipts of the department during the year under report amounted to Rs. 29,87,644-5-0 against Rs. 22,59,346-12-0 in the previous year, showing an increase of Rs. 7,28,297-9-0. This was partly due to the increase in the stallage charges, and partly due to rise in squatter fee.

2. There were in all 17 municipal markets. Statement (1) shows the total number of stalls, the average number that remained vacant per quarter in each market, the financial result of each market, the increase or decrease in revenue and the percentage of net receipt on the cost as compared with previous year.

During the year under report, one wooden beef chowky at Colaba market was demolished and four new stalls in Retail Beef Section of the Arthur Crawford Market which were kept vacant since long were let out by private offers *vide* S. C. R. No. 1669, dated the 17th December 1947. Thus the No. of stalls in Municipal markets increased by three.

The two squatters' area, one at Nowroji Hill Road, Dongri, and the other at Khetwadi Fourth Lane which were treated as temporary open air markets under Section 399(*i*) of the Municipal Act *vide* C. R. No. 176, dated the 8th May 1947 were continued during the year. In addition to these 3 squatters' areas were started at following places *viz.* (*i*) Parel Village, (*ii*) Tulsipipe Line Dadar (*iii*) Sandhurst Road Footpath, near Dwarkadas Mansion, Girgaon.

There was an increase of Rs. 4,29,686-15-6 in the receipts from 14 Markets and decrease of Rs. 6,740-1-0 in respect of 3 others with the result that there was a total increase of Rs. 4,22,946-14-6, in stallage charges, etc., during the year, over the previous year. A sum of Rs. 6,32,215-14-9 was realised as squatter's fees as against Rs. 3,44,532-7-9 during the previous year. The rise was due to the enhanced revised fee brought into effect from 1st October 1946. An amount of Rs. 2,20,000 was realised for the sale of right to collect fees at the Arthur Crawford Scale Shed as against Rs. 2,51,000 realised during the previous year.

The Corporation have approved of the proposal for a new Municipal market at Dongri and have earmarked plots Nos. 104, 105, 120 and 121 of Scheme No. 29 Dongri, for the purpose (*vide* C. R. No. 486, dated the 10th July 1947)..

There was a proposal to allow an open air market for sale of fish and vegetables at Worli, Koliwada (Scheme No. 52) but it was not approved by the Corporation and therefore dropped (*vide* C. R. No. 566, dated the 11th August 1947).

3. During the year, administrative approval of the Corporation was obtained to the extension of the Fish Section of the Arthur Crawford Market to provide more accommodation for fish business (*vide* C. R. No. 59 dated the 10th April 1947).

There was also a suggestion to provide a separate beef section in the Erskine Road Market, but it was dropped when it was pointed out that the locality was adequately served by beef shops situated in the neighbourhood of the market (*vide* C. R. No. 1319, dated the 29th January 1948).

For some time past there was under consideration of the Corporation a proposal to acquire a piece of private land at the junction of Vithalbhai Patel Road and Sadashiv Street for the construction of a Municipal market thereat, but owing to the high cost of acquiring the land etc., and as the market would not be a paying concern, it was dropped (*vide* C. R. No. 215, dated the 8th May 1947).

4. The number of private markets during tthe year was 22, as one new open air market at Garam Khada Lalbaugh was created and that of private slaughter houses was two. The amount realised on account of the licence fees of 16 private markets and one slaughter house was Rs. 31,983-11-0 against Rs. 48,973-7-0 for 19 markets and one slaughter house during the previous year. The licence fees in respect of five private markets were received and credited in deposit and the license fees of one private market and one private slaughter house are in arrears.

A sum of Rs. 700 was also recovered as licence feefromfirms dealing in imported meat, foreign fish, etc Licence fees amounted to Rs. 1,900 were recovered from butchers having stalls in private markets. The number of out side meat shops was 189 as against 187 in the preceding year. The license fees of the shops amounted to Rs. 12,081-8-0 as against Rs. 8,931 in the previous year.

5. All the markets and slaughter houses were regularly inspected and careful supervision was exercised by the Markets and Slaughter Houses staff with regard to the wholesomeness of the articles offered for sale thereat. Unwholesome articles such as meat, fish, fruits, vegetables, etc., in different markets and slaughter houses and contraband meat weighing 8,47,976½ lbs. in the aggregate were destroyed during the year. The total quantity of meat destroyed in the markets was 23,058 lbs.

6. The quantity of contraband meat seized and destroyed was 14,836½ lbs. against 11,198 lbs. in the previous year showing an increase of 3638½ lbs. In all 420 seizures were effected and prosecutions instituted with the result that 408 persons were convicted and fined.

7. The number of animals brought to the fair ground at the Bandra Slaughter House and the number of animals rejected as unfit on ante-mortem examination as compared with the previous year are as under:

Year.	Animals brought to the fair ground.			Animals rejected on ante-mortem examination.		
	Buffaloes.	Cows and bullocks.	Sheep and goats.	Buffaloes.	Cows and bullocks.	Sheep and goats.
1946-47 ..	6,090	78,265	13,23,390	23	1,116	3,704
1947-48 ..	6,341	81,969	14,11,720	48	601	5,573

The principal causes of ante-mortem rejection were advanced stage of pregnancy, or suffering from sheep-pox, foot and mouth diseases, or infections rendering their meat unfit for human consumption.

The chief causes of post-mortem condemnation were Cycticercus bovis, liver flukes, abscesses, bruises, emaciation, hydaticyst, foot rot, and parasitic nodular infection of livers and lungs.

8. The slaughter and removal fees realized at Bandra Slaughter Houses together with the slaughter fees realised at the DeLisle Road Sheep Market amounted to Rs. 5,67,204-6-0 against Rs. 4,77,261-14-0 last year, showing an increase of Rs. 89,942-8-0. The fees received from the Kurla Municipality under the agreement to import buffalo meat into Bombay were Rs. 28,810 against Rs. 31,610 in the previous year. A sum of Rs. 21-2-0 was also realised for sheeep and goats slaughtered in Bombay on festive occasions.

A fresh agreement with the Kurla Municipality for the use of their slaughter house for a period of five years from 1st April 1947 was executed (*vide* C. R. No. 464, dated the 7th July 1947).

9. The approximate weight of dressed meat of buffaloes, cows and bullocks was 8,574 tons and that of sheep and goats 9,247 tons. The quantity condemned out of the former was 43 tons, and out of the latter 23 tons which gave the percentage of .5 and .25 respectively.

10. The number of pigs and piglings brought for slaughter at Arthur Road Slaughter House during the year was 11,526 and 510 respectively, out of which 11,454 pigs and 511 piglings were slaughtered and the amount received as import and slaughter fees was Rs. 29,426-10-0 against Rs. 23,801-14-0 in the previous year.

Permits to import 67 slaughtered piglings were issued during the year and the fees recovered thereon amounted to Rs. 67.

11. Out of 157 tons of pork meat slaughtered, .65 tons were rejected and destroyed as unfit for human consumption on account of tuberculosis, pregnancy, debility, cysticercus, celulosae, hypertrophy of kidneys, bruises, abscesses, cysts and injuries. The percentage of pork destroyed to the total quantity was .42. The infection of tuberculosis was confined to pigs only. Importation of pigs during this year is less from United Provinces and they are generally infested by Cysticercus Cellulose.

Note.—The details of animals slaughtered, etc., and the fees realised are given in appendix A of this report.

12. The right of collecting fair fees at Bandra Slaughter House was not sold by auction, but the fair fees were collected departmentally by engaging the necessary staff and the amount realised was Rs. 3,43,950-5-6 against Rs. 3,38,851-12-0 showing an increase of Rs. 5,098-9-6.

13. The other miscellaneous revenues were as follows :—

Particulars.	1947-48	1946-47
(1) Amount recovered from the contractor for the right of removing blood from the Bandra Slaughter Houses ..	19,000 0 0	19,000 0 0
(2) Licence fees from stalls and shops in Municipal and private markets and outside shops, etc. ..	43,580 6 0	13,833 0 0
(3) Nokarnama licence fees ..	1,162 0 0	..
(4) Minor receipts ..	29,052 10 8	37,497 1310
(5) Ground rent ..	22,421 0 0	26,186 10 0
(6) Chawl Rent ..	5,516 8 0	4,631 15 0
(7) Rent from Peddar Market Chawls and other recoveries from Peons, through paysheets ..	930 0 0	746 1 0
(8) Cold Storage rents ..	40,301 0 6	58,958 9 0
(9) Licence fee from private market owners ..	31,985 11 0	52,964 11 0
	1,93,949 4 2	2,13,818 11 10

N.B.—Deficit of Rs. 8,000 under minor Receipts is partly due to

(*i*) non-importation of kena from Bhiwandi as the Military Butchery is shifted since February last and partly to the non-payment of Rs. 1,500 by the skin contractor against whom a suit is being filed.

(*ii*) Deficit of about Rs. 4,000 under ground rent due to non-receipt of tenders for exhibiting advertisement board as a result of which the sites remained vacant.

14. Administrative approval was given to the Municipal Commissioner's proposal to provide a new slaughter house at Deonar on upto-date lines and also to maintain and reconstruct the existing one at Bandra (*vide* M. & G. C. R. No. 48, dated the 19th June 1947, confirmed by C. R. No. 625, dated the 25th August 1947)

15. It was noticed that as a result of slackness of supervision due to prevalence of riots during earlier part of the year some lawless elements in the City had taken to the unauthorised slaughter of buffaloes and cows in the City and supply unwholesome food in the City. A campaign of raids was undertaken against such persons and as many as 58 raids were made between 1st September 1947 to March 1948.

16. The fines inflicted by the Hon. Presidency Magistrates for the infringement of the provision of the Municipal Act and bye-laws pertaining to the Market Department amounted to Rs. 8,617 against Rs. 4,467 in the previous year.

17. The refrigerator plant at the Arthur Crawford Market did not work satisfactorily. In all the four chambers of the plant, packages were stored on payment of fees which was recovered departmentally. The fall in revenue is due to the scanty arrivals of fish and increased nuisance of rats which discouraged the customers from depositing their goods.

18. During the year Corporation passed the resolution that the slaughter of cows, bulloks and buffaloes within the City and the Greater Bombay be stopped to save such animals for agricultural and production of milk and requested the Government to consider the desirability of enacting legislation prohibiting such slaughter (*vide* C. R. No. 1244, dated the 15th January 1948). The same resolution requested the Municipal Commissioner to consider the desirability of not issuing fresh licenses for sale of beef so as to carry out the wishes of the Corporation.

Dr. B. A. Contractor, Superintendent of Markets was on sick-leave from 21st October 1947 to 20th December 1947, during which period Mr. J. P. Periera, Senior Assistant, Bandra Slaughter House acted as Superintendent of Markets.

B. A. CONTRACTOR,
Superintendent of Markets, and Slaughter Houses.

STATEMENT I.

Statement showing the number of stalls occupied and vacant at each of the Municipal Markets and receipts etc,.

Name of the Market	Total number of stalls.		Average No. of stalls vacant per quarter.		Stall charges 1947-48.	Squatters fees, licence fees etc., 1947-48.	Total gross receipts 1947-48.	Total expenditure 1947-48.	Net receipts 1947-48.	Net receipts 1946-47.	Increase or decrease over the previous year.	Total cost of Markets upto 31-3-48.	Percentage of Net Receipts on the cost.
	1947-48	1946-47	1947-48	1946-47									
					Rs. a.	Rs. a.	Rs. a.	Rs.	Rs. a.	Rs. a.	Rs. a.	Rs.	
Colaba ...	45	46	4	5	13,615-0	10,585-14	24,200- 14	9,625	14,575- 14	10,901-12	3 674- 2	97,756	14.1
Fort ...	170	170	2	4	45 931-4	15,659- 7	61,590-11	19,949	41,641-11	28,692- 6	12,949-5	4,30,880	9.7
Arthur Crawford	1,024	1,020	8	5	5,49,226-1	3,01,168- 1	8,50,394- 2	1,92,975	6,57,419- 2	5,80,243-2	77,176- 0	17,73,450	37.1
Erskine Road ...	820	820	117	99	1,84,809- 6	1,04,771- 7	2,89,580-13	68,778	2,20,802-13	77,900- 5	1,42,902- 8	5,97,612	36.9
Bhuleshwar ...	201	201	10	14	50,263-10	566- 8	50,830- 2	16,201	34,629- 2	19,691-11	14,937,-7	2,94,217	11.8
Peddar ...	46	46	14	6	7,242- 4	19,786- 1	27,028- 5	12,058	14,970- 5	9,371-11	5.598-10	57,863	25.9
Pork ...	3	3	...	...	5,966-12	8- 0	5,974-12	2,098	3,876-12	3,973-12	—97-0	20,880	18.5
DeLisle Rd. Sheep	48	48	...	1	23,279-11	3,014-0	26,293-11	10,903	15,390-11	4,206-8	11.184- 3	25,000	61.6
Fergusson Road...	24	24	...	2	9,641-4	27,635- 3	37,276- 7	12,415	24,861- 7	15,330-0	9,531-7	25,473	97.6
Parbhadevi ...	9	9	...	...	3,320-0	19,022- 1	22,342- 1	8,191	14,151- 1	8,029-7	6,121-10	23,819	59.4
Elphinstone Road	39	39	...	1	15,086-9	37,210- 4	52,296-13	12,076	40,220-13	27,548-13	12,672- 0	31,843	126.3
Kamatipura ...	91	91	15	12	15,880-0	6,973-10	22,853-10	9,883	12,970-10	2,583-13	10,386-13	55,498	23.4
Masjid Bunder ...	51	51	11	43	2,127-0	3,701-7	5,828- 7	6,774	—,945-9	652- 2	—1,597-11	17,346	—5.4
Chowpatty ...	69	69	18	16	5,554-4	8,351- 8	13,905-12	8,047	5,858-12	10,904- 2	—5,045- 6	4,67,280	1.3
Dadar ...	10	10	...	...	4,220- 0	1,18,644- 0	1,22,864- 0	33,210	89,654- 0	63,270-14	26,383- 2	1,51,676	59.1
Gold Mohur castle	...	...	...	...	...	1,91,094- 5	1,91,094- 5	39,808	1,51,286- 5	60,719-14	90,566- 7	5,16,603	29.3
New Worli ...	43	43	4	9	13,282-15	14,090- 2	27,373- 1	9,080	18,293- 1	12,689-12	5,603- 5	1,79,947	10.2
Total ...	2,693	2,690	203	217	9,49,446- 0	8,82,281-14	1831,727-14	4,72,071	1359,656-14	9,36,710-0	4,22,946-14	47,67,149	

B. A. CONTRACTOR,
Superintendent of Markets and Slaughter Houses.

APPENDIX "A".

Statement showing the number of animals slaughtered or removed for private slaughter and the amount of slaughter fee, etc., paid thereon during the year 1947-48.

Description of animals.	April 1947.	May 1947.	June 1947.	July 1947.	August 1947.	September 1947.	October 1947.	November 1947.	December 1947.	January 1948.	February 1948.	March 1948.	Total No. of animals.	Total amount of slaughter fee, etc. Rs. a. p.
Buffaloes	513	532	512	532	533	513	531	514	531	512	496	532	6,251	93,780 0 0
Buffaloes removed to Bombay	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buffaloes for private slaughter in Bombay ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cows (Bombay)	1,789	1,580	1,850	2,540	1,986	1,614	2,227	1,759	2,056	2,179	2,492	2,139	24,211	36,316 8 0
,, (Bandra)	706	696	769	769	824	712	620	613	697	717	624	663	8,410	8,410 0 0
Bullocks	3,822	4,078	4,146	3,514	3,473	3,636	3,606	3,976	4,781	4,641	3,723	4,366	47,762	71,643 0 0
Sheep and goats for Bombay ...	77,391	79,754	80,016	84,948	85,641	85,547	81,682	77,956	89,411	85,785	80,489	81,638	9,90,258	2,47,564 0 0
Do. Bandra	3,644	3,935	4,001	41,411	4,094	3,968	3,476	3,291	4,083	3,648	3,540	3,627	45,448	8,521 8 0
Pigs imported at Arthur Road Slaughter House.	829	757	800	965	929	881	887	1,052	1,315	976	1,104	1,031	11,526	14,407 8 0
Piglings Do. do. ...	21	17	7	18	22	54	33	57	128	56	43	54	510	510 0 0
Pigs slaughtered at Arthur Road Slaughter House	838	765	803	945	943	823	906	1,009	1,313	1,012	1,070	1,027	11,454	14,317 8 0
Piglings Do. do. ...	24	17	7	18	14	60	33	57	128	56	41	56	511	191 10 0
Slaughtered piglings imported for private consumption in Bombay	5	5	2	2	1	3	8	1	28	4	1	7	67	67 0 0
Live horned cattle removed to Bombay ...	...	5	2	4	13	7	27	1	5	1	...	1	66	330 0 0
Live horned cattle removed for shipping ...	...	...	...	...	...	...	...	...	...	4	...	...	4	8 0 0
Live horned cattle removed for Bandra ...	12	4	3	34	21	14	24	30	17	11	16	8	194	389 0 0
Live horned cattle for private slaughter in Bombay	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Live sheep and goats removed to Bandra ...	11,698	10,622	11,416	10,609	9,695	6,975	8,636	8,616	8,950	7,279	8,965	6,591	1,10,052	41,269 8 0
Do. do. Bombay ...	1,140	1,225	1,165	1,314	1,311	1,610	3,394	1,961	1,631	1,822	1,515	1,851	19,939	19,939 0 0
Do. do. for shipping..	127	233	263	115	291	325	691	79	150	357	223	155	3,009	1,128 6 0
Live sheep and goats for private slaughter in Bombay	1	13	1	2	...	...	2	4	...	...	...	...	23	21 2 0
Live sheep and goats removed by DeLisle Road Sheep Market Fadkarees	2,164	3,001	2,823	3,469	2,126	2,534	4,716	3,051	3,473	3,555	3,031	3,962	37,905	37,905 0 0
Live sheep and goats slaughtered in the chamber of DeLisle Road Sheep Market ...	780	868	864	1,232	491	533	856	1,304	1,422	1,499	1,507	1,396	12,752	3,188 0 0
Total ...	1,05,504	1,08,107	1,09,450	1,15,171	1,12,408	1,09,809	1,12,355	1,05,331	1,20,119	1,14,114	1,08,880	1,09,104	13,30,352	5,99,907 2 0

B. A. CONTRACTOR,
Superintendent of Markets & Slaughter Houses.

MUNICIPAL PRINTING PRESS

Subject: *Administration Report for the year 1947-48.*

Mr. T. V. Doraiswamy, B. Com., Test Audit Officer continued to be in charge of the Press throughout the year.

The difficulty of obtaining paper referred to in the previous year was not eased but was further aggrevated during the year under report. As against 60 Tons of paper asked for from Government under release order for the normal requirements of the Press, only 35 Tons were released by Government which did not consist any bleached paper. White and Ledger papers (Foreign) had therefore to be procured from the market from time to time by inviting quotations at high cost. Government were also requested to spare some quantity from the stocks at Government Disposals to meet the demand of 17 Tons of paper of the B. E. S. & T. Committee which could not be had. To add to this difficulty, paper required for printing the items for holding of General Elections had to be used from the Press stock as 18 Tons of paper released by Government on Election account as against our requirements of 45 Tons were received in March 1948 *i.e.* after holding of General Election. The requirements of Municipal departments and those of Municipal Secretary and Schools Committee are increasing year by year.

The statement of paper consumed during the year as compared with the previous two years is given below:—

	1945-46		1946-47		1947-48.	
Description of Paper.	Rate per lb.	Quantity consumed in Tons.	Rate per lb.	Quantity consumed in Tons.	Rate per lb.	Quantity consumed in Tons.
	Rs. a. p.		Rs. a. p.		Rs. a. p.	
White ..	0 6 5	20 ½	0 6 0	26 ¼	0 8 0	23
Badami ..	0 6 0	12 ¾	0 5 8	22 ½	0 7 0	32 ½
Other kinds ..	0 8 9	10	0 9 0	12	1 0 0	20
		43 ¼		60 ¾		75 ½

Tenders for printing the Voters' List comprising about 9 lacs names were invited by public advertisement. As no one Press could undertake the whole work, it had to be entrusted to 15 Presses in the City to finish it within the stipulated time at rates varying from Rs. 18 to Rs. 22 per page. In addition to the usual work of the departments, the Press had to carry out the miscellaneous printing work required for the holding of the General Elections for which the Press had to run continuously in two shifts.

A Profit and Loss Account and Pro-Forma Balance sheet as on 31st March 1948 is appended hereto. The transactions for the year closed with a surplus of Rs. 1,817 on the total turnover of Rs. 3,50,921, as against Rs. 3,04,338 for the year 1946-47.

The Labour staff as on 29th February 1948 consisted of 159 workers as against 148 on 28th February 1947.

T. V. DORAISWAMY,
Test Audit Officer.

MUNICIPAL PRINTING PRESS.

Working and Profit and Loss Account as at 31st March 1948.

Liabilities.				Assets.			
Dr.	Rs. a. p.	Rs. a. p.	Rs. a. p.	*Cr.*	Rs. a. p.	Rs. a. p.	
Materials—				*Sales*—			
Paper, etc., stock at the beginning ...	17,328 13 8			Amounts chargeable to Departments ..	3,22,243 6 0		
Do. *Add* Purchases ...	88,694 6 3						
Do. outstanding Liabilities ...	953 0 0			Amount of Supplementary Bills for 1946-47 and 1947-48 to be preferred to Departments on account of the increase in Labour and Establishment charges due to revision of Salaries.	26,500 0 0		
	1,02,176 3 11						
Do. *Deduct* stock at the end ...	28,709 3 6			Amounts recovered from Private Parties.	2,177 9 0		
		73,467 0 5			3,50,920 15 0		
Ink stock at the beginning ...	84 14 0			*Deduct* Work in Progress at the beginning of the year	35,562 1 0		
Do. *Add* Purchases	296 2 0						
	381 0 0				3,15,358 14 0		
Do. *Deduct* stock at the end ...	137 13 3			*Add* work in Progress at the end of the year	37,767 7 0		
		243 2 9				3,53,126 5 0	
Binding Materials stock at the beginning ...	3,164 11 9			Sale of Paper Cuttings, etc. ...	...	1,242 13 10	
Do. *Add* Purchases ...	12,016 10 0						
	15,181 5 9						
Do. *Deduct* stock at the end ...	4,225 12 11						
		10,955 8 10					
Mono Metal stock at the beginning ...	31,657 8 0						
Do. *Add* Purchases ...	16,806 13 0						
	48,464 5 0						
Do. *Deduct* stock at the end ...	43,617 14 0						
		4,846 7 0					
Lino Metal stock at the begining ...	6,255 0 0						
Do. *Add* Purchases ...	2,370 0 0						
	8,625 0 0						
Do. *Deduct* stock at the end ...	7,762 8 0						
		862 8 0					
Materials Non-consumable and Books and Dead Stock at the beginning ...	7,855 1 6						
Do. *Add* Purchases ...	1,706 5 0						
Do. outstanding liabilities ...	688 0 0						
	10,249 6 6						
Do. *Deduct* stock at the end.	8,561 10 6						
		1,687 12 0					
			92,062 7 0				
Out-work			2,721 11 0				
Wages		1 20,212 6 0					
Do. out-standing liabilities ...		42,950 0 0					
			1,63,162 6 0				
Departmental Expenses—							
Rent	6,000 0 0						
Repairs to Machinery, etc.	1,796 12 3						
Do. out-standing liabilities ...	203 3 0						
Lighting	1,331 4 0						
Gas Charges	354 9 0						
Electric Power	1,941 3 0						
Repayment of Capital ...	5,460 1 0						
Interest on Capital	10,772 1 0						
		27,859 1 3					
General Expenses—							
Staff Salaries	39,471 8 0						
Do. out-standing liabilities ...	9,250 0 0						
T. A. O.s Salary. ...	2,047 3 0						
Provident Fund	9,150 7 0						
Delivery Charges	2,831 1 6						
Do. out-standing liabilities ...	100 0 0						
Contingencies	1,465 14 9						
Do. outstanding liabilities ...	243 4 0						
Telephone Charges	75 0 0						
Advertisement	145 6 0						
Printing and Stationery	1,858 9 0						
Do. out-standing liabilities ...	108 3 0						
		66,746 8 3					
			94,605 9 6				
Net Surplus			1,817 1 4				
			3,54,369 2 10				3,54,369 2 10

MUNICIPAL PRINTING PRESS.

Balance Sheet as at 31st March 1948.

Liabilities.			Assets.			
Capital—	Rs. a. p.	Rs. a. p.		Rs. a. p.	Rs. a. p.	Rs. a. p
(1) Advance from the Net Premia Fund ...	1,62,716 0 0		Plant and Machinery		1,77,479 10 0	
Less—Amount repaid ...	38,711 15 0		*Less*—Depreciation upto 31-3-1948 ...		49,066 9 0	
	1,24,004 1 0					1,28,413 1 0
(2) Advance from the Surplus Cash Balance ...	4,409 0 0		Plant and Machinery Depreciation Fund Investments (in respect of Machinery purchased from Surplus Cash Balance), *Vide* Contral ...	...	...	4,409 0 0
		1,28,413 1 0	Work in Progress	...	37,767 7 0	
Plant and Machinery Depreciation Fund Account ...		4,409 0 0	Stock of Paper, etc.	...	33,072 13 8	
			Mono Metal—Balance as per last year ...	31,657 8 0		
			Do. Additions during the year ...	16,806 13 0		
				48,464 5 0		
			Less—Written off ...	4,846 7 0		
					43,617 14 0	
			Lino Metal—Balance as per last year ...	6,255 0 0		
			Do. Additions during the year ...	2,370 0 0		
				8,625 0 0		
			Less—Written off ...	862 8 0		
					7,762 8 0	
			Materials Non-Consumable—			
			Balance as per last year	4,566 1 0		
			Additions during the year	1,619 11 0		
				6,185 12 0		
			Less—Written off ...	1,086 9 0		
					5,099 3 0	
			Books and Dead Stock—			
			Balance as per last year	3,289 0 6		
			Additions during the year	774 10 0		
				4,063 10 6		
			Less—Written off ...	601 3 0		
					3,462 7 6	
Out standing Advance on 31-3-1948 ...		2,20,956 9 2				
			Bills due from Departments	89,930 14 0		
			Do. Private Parties	243 6 0	90,174 4 0	
Assets purchased out of Revenue ...		6,720 15 0				2,20,956 9 2
			Lino Metal	...	2,844 1 0	
			Dead Stock	...	3,876 14 0	
						6,720 15 0
		3,60,499 9 2				3,60,499 9 2

THE K. E. M. HOSPITAL
AND
SETH G. S. MEDICAL COLLEGE

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Administration Report for the year 1947-48.

1. Dr. R. G. Dhyagude, M.D. (Bom.), continued to hold the post of the Dean during the year.

Changes and leave arrangements of the staff.

Dr. S. G. Joshi, M.S. (Bom.), Honorary Assistant Aural Surgeon, was on leave from 1st April 1947 to 3rd February 1948 and Dr. L. H. Hiranandani, F.R.C.S. (Eng.), was appointed as Acting Honorary Assistant Aural Surgeon from 15th April 1947 to 31st January 1948.

Dr. R. N. Cooper, M.S. (Lond.), F.R.C.S. (Eng.), Honorary Surgeon, was on leave from 2nd May 1947 to 11th June 1947 and again from 23rd September 1947 to 18th December 1947.

Dr. A. V. Baliga, F.R.C.S. (Eng.), Honorary Surgeon, was on leave from 29th July 1947 to 18th December 1947.

Dr. A. K. Talwalkar, F.R.C.S. (Eng.), M.Ch. Orthopaedics. (Liverpool), Honorary Assistant Orthopaedic Surgeon, was appointed as Honorary Orthopaedic Surgeon, from 1st August 1947.

Dr. G. V. Ketkar, M.S. (Bom.), F.C.P.S. (Bom.), was appointed as Honorary Assistant Orthopaedic Surgeon from 9th September 1947.

Dr. B. N. Purandare, M.D. (Bom.), F.R.C.S. (Edin.), Honorary Assistant Obstetrician and Gynaecologist was on leave from 31st May 1947 to 31st October 1947.

Dr. V. P. Mehta, M.D., M.S., F.C.P.S. (Bom.), Honorary Assistant Surgeon, was on leave from 7th July 1947 to 5th December 1947.

Dr. J. A. Avasia, L.D.S., R.C.C. (Ong.), Honorary Dental Surgeon, was on leave from 29th July 1947 to 17th September 1947.

Dr. B. C. Das Gupta, B.Sc. (Hons.), M.B. (Cal.), D.T.M.&H. (Lond.), Honorary Lecturer in Hygiene, is on leave from 20th October 1947 and appointed as Deputy Director General of Health Services, Government of India, and Dr. P. K. Gandhi, M.B.B.S., B.Hy. (Bom.) was appointed as Acting Honorary Lecturer in Hygiene from 22nd November 1947.

Dr. A. E. DeSa, F.R.C.S. (Eng.), Honorary Surgeon, was on leave from 8th October 1947 to 13th November 1947.

Dr. L. R. DeMello, M.D. (Bom.), Honorary Assistant Physician, was on leave from 8th October 1947 to 13th November 1947.

Dr. L. P. Bharucha, M.D. (Bom.), Honorary Assistant Physician, was on leave from 8th October 1947 to 13th November 1947.

Dr. S. H. Chitnis, M.S. (Bom.), Honorary Assistant Surgeon, was on leave from 4th November 1947 to 7th December 1947.

Dr. C. S. Worah, M.S. (Bom.), Honorary Assistant Surgeon, was on leave from 23rd August 1947 to 22nd October 1947.

Dr. K. G. Munsif, F.R.C.S. (Eng.), Honorary Surgeon, was on leave from 17th October 1947 to 16th November 1947.

Dr. Miss P. C. Daroowalla, M.D. (Bom.), Honorary Gynaecologist, was on leave from 10th December 1947 to 21st January 1948.

Dr. R. G. Ginde, M.S. (Bom.), Honorary Assistant Surgeon, is on leave for two years from 1st February 1948.

Dr. L. H. Athle, M.B.B.S., (Bom.), D.M.R.E. (Eng.), Honorary Assistant Radiologist, was appointed as Honorary Lecturer in Radiology from 1st February 1948.

Dr. Y. M. Bhende, M.D. (Bom.), Assistant Professor of Pathology and Bacteriology, who was on leave from 22nd March 1947 to 31st October 1947, was appointed as Acting Professor of Pathology and Bacteriology, from 1st November 1947 and Dr. N. M. Purandare, M.D. (Bom.), was appointed as Acting Assistant Professor of Pathology and Bacteriology in his place.

Professor A. S. Paranjpe, M.D. (Hiedl), D.T.M. (Lond.), M.B., ch.B. (Edin), Professor of Pharmacology, was appointed for two years on a special contract from 19th March 1948.

Advisory Medical Board.

2. During the year, the Advisory Medical Board held 9 meetings inclusive of one General Meeting of the Honorary and Professorial Staff.

3. The Education Committee of the Advisory Medical Board revived since October 1945, found its deliberations useful in the discussion of important educational questions affecting these institutions.

THE HOSPITAL

Visitors.

4. Dr. Watson and Miss Noll of the Rockefeller Foundation's International Health Division, New York, visited this hospital on the 2nd February, 1948.

Mr. R. F. S. DeMel, Mayor of Colombo, Mr. M. F. Ghany, Deputy Mayor of Colombo, Mr. T. Rudra, Member, Municipal Council, Clombo, and the Secretary, Colombo Municipal Council, visited this hospital on 10th April, 1947.

Distribution of beds according to classification of departments.

5. The 510 beds of the hospital were fully occupied during the year under report. They are distributed as under:—

Department.	Men.	Women.	Children.	Total.
Medical	132	44	12	188
Surgical & Orthopaedic	126	41	16	183
Gynaecological	...	35	...	35
Ophthalmic	20	12	...	32
Aural	12	3	8	23
Skin and Venereal	18	4	2	24
Isolation	6	3	...	9
Tetanus	5	3	2	10
Casualty	6	...	...	6
Total ...	325	145	40	510

6. The total number of patients admitted during the year was 18,152 against 17,096 and 16,221 during 1946 and 1945 respectively.

Extension of the Hospital.

7. The programme of Hospital Extension was held up owing to unfavourable conditions during the year under report.

Number of patients treated in 1947 and the total expenditure during 1947-48.

8. The statistical tables attached to this report record in detail the number, attendance etc., in all the departments of the Hospital and the number and nature of operations peformed during the period under report. So far as the in-patient work was concerned, there were often extra patients over the scheduled number in the Hospital, the maximum number of in-patients on a single day being 670 thus making their nursing and care extremely difficult.

Particulars.	Figures for the year 1947.	Figures for the year 1946.
(*a*) IN-PATIENTS—		
1. Scheduled strength of beds ...	510	510
2. Daily average No. of in-patients ...	583.72	570.93
3. Total No. of new in-patients treated ...	18,152.	17,096.
4. Average No. of days each patient was resident ...	11.74	11.08
(*b*) OUT-PATIENTS—		
1. Total No. of new out-patients ...	1,22,262.	1,14,894.
2. Daily average No. of new out-patients ...	446.50.	421.22
3. Total No. of out-patient attendance ...	*4,31,293.	*4,67,045.
4. Daily average No. of out-patient attendance ...	1446.60.	1557.19
5. No. of casualty patients ...	27,612.	26,064.
(*c*) OPERATIONS—		
1. Total No. of operations on in-patients ...	6,854.	6,576.
2. Total No. of operations on out-patients ...	11,669.	11,188.

*As every casualty case is also registerd as a new out-patient case, the figures of casualty cases have not been included in the total attendance.

9. Out of the total number of 18,692 in-patients (18,152 admitted during the year under report and 540 previous year's balance), 7,195 were cured, 5,997 were discharged and relieved, 3,140 either left the Hospital against medical advice or were otherwise discharged and 1,820 died, leaving a balance of 540 patients at the end of the year. Out of 1,820 deaths, 511 died within the first 24 hours of admission, 404 died after 24 hours but within 3 days of admission and the remaining 905, died more than three days after admission into the Hospital.

10. The highest number of out-patient attendance on any one day during the year 1947 was 2,139, the highest number of new admissions in the out-door department on a single day being 598. Likewise, the highest number on a single day of old cases treated was 1,467, of casualty cases 245, and of in-patients admitted 113.

Expenditure.

11. The total expenditure incurred on the maintenance of the Hospital during the year including liabilities outstanding at the end of the year and exclusive of cost of the extension scheme, amounted approximately to Rs. 16,05,300 including about dearness allowance of Rs. 2,46,748. This expenditure includes the cost of maintenance and treatment of in-patients, the cost of the out-patient department, the resident medical, nursing and labour staff as well as that of the staff for administration and the maintenance and repairs of buildings, etc.

12. The following table illustrates the relative cost per in-patient and out-patient per day during 1947-48, 1946-47 and 1945-46 respectively:—

Particulars.	1947-48.	1946-47.	1945-46.
	Rs. a. p.	Rs. a. p.	Rs. a. p.
(*a*) Average cost per in-patient per day	6 0 0	5 3 10	4 12 8
(*b*) Average cost per in-patient admission	68 9 4	64 9 8	58 2 10
(*c*) Average cost per out-patient attendance	0 11 9	0 10 11	0 7 7
(*d*) Average cost per out-patient admission	2 8 9	2 4 5	1 9 6

13. The details of the cost per in-patient for 1947-48, 1946-47 and 1945-46 will be seen from the following table :—

Year.	Diets.	Drugs, dressings, etc.	Stores and Linen.	Heating and lighting.	Miscellaneous.	Establishment.	Repairs to buildings and Engineering.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1947-48 ...	0 13 8	0 13 3	0 3 7	0 2 7	0 3 5	3 8 7	0 2 11	6 0 0
1946-47 ...	0 14 7	0 9 11	0 4 1	0 2 10	0 4 5	2 12 6	0 3 6	5 3 10
1945-46 ...	0 15 10	0 11 3	0 3 9	0 2 5	0 4 9	2 2 0	0 4 8	4 12 8

14. The following table gives the average cost of every new out-patient admission completely treated during the year in comparison with that of the previous two years :—

Year.	Drugs, dressings, etc.	Stores and Linen.	Heating and lighting.	Miscellaneous.	Establishment.	Repairs to buildings and Engineering	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1947-48	0 11 3	0 1 2	0 0 6	0 0 7	1 10 11	0 0 4	2 8 9
1946-47	0 11 6	0 1 0	0 0 5	0 0 8	1 6 5	0 0 5	2 4 5
1945-46	0 8 1	0 0 11	0 0 4	0 0 8	0 15 0	0 0 6	1 9 6

The actual cost incurred on patients (in-patients as well as out-patients) under drugs, surgical appliances, etc., is however exclusive of the cost of the expensive drugs, injections, blood transfusions etc., met out of the Poor Box Charity Fund amounting to Rs. 94,354-1-0 during the year as was done in previous years. A reference in this connection is invited to paragraph No. 25 below and to Appendix No. 20.

Motor and Mill accident cases.

15. The following table indicates the number of motor and mill accident cases treated during the year in comparison with that of the previous years :—

——	Motor Accidents.				Mill Accidents.			
	Treated in the casualty department.		Admitted.		Treated in the casualty department.		Admitted.	
	1947.	1946.	1947.	1946.	1947.	1946	1947.	1946.
Male ...	287	260	221	150	3,726	3,098	178	84
Female ...	50	21	36	19	101	82	2	..
Children {Male	68	34	41	26	...	...	...	...
Children {Female	23	22	22	13	...	...	...	...
Total ...	428	337	320	208	3,827	3,180	180	84

16. 10,698 certificates were issued during the year as shown below:—

Certificates under Workmen's Compensation Act.	4,673
Medical opinion	1,165
Police	181
Railway injuries	Nil
Municipal employees	128
Insurance certificates	51
Ordinary certificates (approximately).	4,500
Total	10,698

17. 215 cases were treated in the Hospital for poisoning and 51 for animal bites during the year with the results as shown below :—

Nature of poisons.	Cured.	Relieved.	Otherwise.	Died.	Total.
Metals and their salts ...	2	1	...	1	4
Non-metals and their compounds ...	9	...	...	...	9
Organic poisons ...	81	15	2	11	109
Food poisoning ...	70	4	...	..	74
Poisonous gases and vapours ...	15	1	...	...	16
Unknown poisons ...	1	2	...	...	3
Total ...	178	23	2	12	215
Animal bites ...	43	6	2	2	51

Blood Bank

18. The plans and estimates for the construction of a building for the Blood Bank have been approved by the Corporation and the work has been taken in hand

Nursing Staff.

19. The arrangement of sending two nurses every month to the Arthur Road Hospital to attend on fever cases, was continued during the year.

20. During the year, 20 nurses for junior examination and 22 nurses for senior examination were trained, out of whom 16 and 21 have passed respectively in junior and senior examinations held by the Bombay Nurses, Midwives and Health Visitors' Council.

21. The cost of the nursing establishment works out at Rs. 145-4-11 per nurse, per mensem, against Rs. 115-10-5 in the preceding year. It includes not only the cost of salaries, uniform and dhobi allowances and honorariam paid to the medical staff giving instructions in the nursing school, but also their mess charges, cost of electric energy consumed and repairs to their quarters, house-hold, linen and crockery. The pro-rata rent for quarters provided to the inferior staff employed in the Nurses' Home and the Municipal Provident Fund contributions are not included in the above figures.

Nurses' Welfare Fund.

22. The Nurses' Welfare Fund inaugurated for promoting the welfare of the nursing staff of this Hospital continued to be of material help to them. Thanks are due to the ladies helping in the maintenance of this Fund and for the keen interest they have taken in the welfare of the nursing staff during the year and to all those firms and individuals who have contributed towards the Fund either in cash or in kind.

23. Thanks are also due to the Proprietors of the 'Nawakal' for the supply of a copy of their daily newspaper at a reduced rate of subscription.

SCHOOL CLINIC.

24. The treatment of school children attending the Municipal Primary Schools was continued during the year under report, and as shown in the following table 974 new children were treated in the different departments of the Hospital in addition to a large number of chlildren who began their treatment in the previous year. The total number of children treated in the year was 5,310 as against 2,879 in the previous year.

Section.	1947-48.			1946-47.		
	New cases.	Old cases.	Total.	New cases.	Old cases.	Total.
Medical and Surgical	278	1,628	1,906	240	684	924
Aural	189	828	1,017	148	454	602
Ophthalmic	235	998	1,233	177	455	632
Dental	142	508	650	131	283	414
Skin	130	374	504	111	196	307
Total ..	974	4,336	5,310	807	2,072	2,879

31 Children were operated upon, in the Aural Department and 2 in the Ophthalmic. Refraction was done on 90 children and glasses were prescribed to 80 children. 9 children suffering from cervical and axillary adenitis were treated with ultra-voilet rays and were given cod liver oil and other drugs in addition. Children were screened, skiagrams were taken and laboratory investigations were done whenever found necessary. 3 cases of dog bite and 1 case of monkey bite were referred to the Haffkine Institute for treatment

Total cost of the Clinic at the K. E. M. Hospital amounted to Rs. 11,270.

Poor Box Charity Fund.

25. The Poor Box Charity Fund from which relief is rendered to poor patients by providing them with spectacles, crutches, artificial limbs, travelling expenses etc., has received steady support from the public as well as from the patients of this Hospital as will be seen from Appendix No. 20. Besides relief in the shape of blood transfusion, costly drugs, medicines, injections, travelling expenses etc., the following appliances were provided to 114 patients at a cost of Rs. 1,702-0-0 as shown below:—

Particulars.	Quqntity.	Particulars.	Quantity.
Spectacles ..	58 Pairs.	Modified Jones' Frame for T. B. Spine	1 No.
Bamboo crutches with rubber heels ..	17 ,,	Taylor's brace with auxillary crutches	1 No.
Chevaliar Jackson's Tracheotomy tubes silver ..	5 Nos.	Suprapubic Apparatus ..	1 No.
Elastoplasts ..	8 Tins	Sacral belt ..	1 No.
Hernia truss ..	2 Nos.	Hip splint for T. B. ..	1 No.
Walking calipers ..	1 No.	Leather Shoes ..	1 pair.
Thomas's splints ..	8 Nos.	Smith Peterson's nails ..	3 Nos.
Cork boot ..	1 No.	Artificial Denture ..	2 Nos.
Artificial limbs ..	4 Nos.	Crooked and elongated heels ..	1 Pair.
Posterior splint ..	1 No.	Dennis Browne's splint ..	1 No.
		Modified Thomas's hip splint ..	1 No.

Fresh blood and plasma.

26. Blood transfusion was provided to 828 cases during the year under report with the blood of paid donors to whom payment was made out of this fund. Besides this, it was possible to secure a large stock of plasma bottles at competitive rates and it has thus become possible to meet the ever-increasing demand for blood for the hospital patients. Fresh blood and plasma bottles are also being issued to the patients of Arthur Road Hospital and to the allied institutions on request.

Supply of Penicillin to poor patients.

27. Arrangements made to keep the stock of penicillin had to be strengthened further owing to the immense popularity enjoyed by this drug in the medical world. It may be interesting to note that 8,300 bulbs comprising of 34,685,00,000 units were purchased at a total cost of Rs. 46,640-13-0 out of this fund and about 2,600 bulbs were issued to poor patients entirely free of cost while the rest of the bulbs were issued to patients at cheaper cost. It may be interesting to compare this expenditure of Rs. 46,640 on the single item of Penicillin with the Annual Municipal Budget Grant on Medicines, etc., which amounts to Rs. 2,00,000 for the whole of the Medicine Schedule.

Donations to Poor Box Charity Fund.

28. Donations to the extent of Rs. 19,168-10-6 were received and acknowledged with thanks during the year.

The Co-operative Credit Society, Ltd.

29. The Co-operative Credit Society of the Labour Staff of the Hospital and College worked satisfactorily and continued to be in 'A' class in the classification of the Registrar of Co-operative Societies. The total number of members on the roll at the end of March, 1948, was 532 against 481 on the corresponding date of the previous year 84 New members joined the Society and 33 left it during the period owing to the death or termination of service.

The share capital of the Society increased from Rs 45,193-4-0 to Rs 64,922-3-0 The amount of loans granted was Rs 87,285-0-0 and the amounts refunded was Rs 65,975-0-0 The average amount of loan granted was Rs 211-5-0

The Society held its last Annual General Meeting on 7th November 1947 and declared a dividend of 3¾ per cent for the year ended on 30th June 1947 The net profit during the year ended on 30th June, 1947, amounted to Rs 3,394-2-6 The Reserve Fund of the Society on 31st March, 1948, stands at Rs 4,073-11-9 and the total of other funds at Rs 1,484-14-6

The accounts of the Society have been checked by the Government Auditor upto 30th June 1947

MUNICIPAL GROUP OF HOSPITALS, SION.

(Formerly Indian Military Hospital, Dharavi)

30. The Municipal Group of Hospitals, Sion, started functioning from 24th April 1947 with 50 beds which were subsequently increased to 100 beds on 4th September 1947. Direct admissions were not made as adequate medical staff to look after them was not appointed. All patients in the hospital were received from K. E. M. Hospital, usually cases which did not require active treatment.

The total number of in-patients received from the K. E. M. Hospital during the year was 444, of whom 61 were transferred back to the K. E. M. Hospital, 284 were discharged, 4 died, leaving a balance of 95 patients at the end of the year.

The Out-Patient Department was opened on 2nd December 1947 chiefly for the benefit of the Koliwads refugees. The average attendance per day was 28.

The total expenditure incurred on the maintenance of the Hospital during the year amounted approximately to Rs. 1,63,500 including Dearness Allowance of about Rs. 43,130. This expenditure includes the cost of maintenance and treatment of in-patients, the cost of the out-patient department, the resident medical, nursing and labour staff as well as that of the administration and the maintenance and repairs of buildings, etc.

The cost per patient per day during the year was Rs. 7-6-0.

The collection in the Charity Box amounted to Rs. 111-8-0 only. Proposals are being put up to create Poor Box Charity Fund.

The Hospital continued to be under the administrative control of the Dean, K. E. M. Hospital Dr. R. G. Dhayagude, M.D.

THE COLLEGE

During the year under report 82 fresh admissions were made. An educational survey of these students shows that their average age at the time of their admission was 18.9 years it being 16.6 years when they matriculated. The corresponding ages in the previous year were 19.2 years and 16.7 years respectively. 81 of these students were single and 1 married. A statistical study of the occupations of the parents or guardians of the newly admitted students shows that 26 were dependent on service, 25 on business, 7 on medical profession 4 on legal profession, 9 on pensions, 1 on landed property and 10 on miscellaneous occupations.

The number of undergraduate students on the College roll at the close of the year was 562, which included 135 lady students, and that of post-graduate and reserch students was 70 as shown below :—

Class.		Male Students.	Female Students.
1st M.B.B.S. 1st Year	..	68	14
Do. 2nd Year	..	89	34
2nd M.B.B.S. 3rd Year	..	61	18
3rd M.B.B.S. 4th Year	..	81	30
Do. 5th Year	..	128	39
Total number of students	..	427	135
Post-graduate students including research students	..	63	7
Grand Total	..	490	142

Thanks are due to the authorities of the Bai Jerbai Wadia Hospital for Children for the continuation of the facilities given to the students of this College for clinical instruction in the diseases of children at that Hospital during the year under report.

The results of the various examinations for which students were sent up by the College are summarised below :—

Examinations.		Candidates sent up.	No. of candidates who passed the whole examination
1st M.B.B.S.	April 1947	88	48
	Oct. 1947	54	34
2nd M.B.B.S	April 1947	67	64
	Oct. 1947	34	27
3rd M.B.B.S.	April 1947	87	39
	Oct. 1947	88	36
M.D. (Medicine)	April 1947	12	2
	Oct. 1947	10	2
M.D. (Pathology)	April 1947	2	1
	Oct. 1947	2	2
M.D. (Midwifery)	April 1947	7	4
	Oct. 1947	6	2
M.S.	April 1947	10	3
	Oct. 1947	7	2
D.O.	April 1947	2	1
	Oct. 1947	1	...
D.A.	April 1947	1	...
	Oct. 1947	2	1
D.L.O.	April 1947	2	2
	Oct. 1947	5	2
D.V.D.	April 1947	2	...
	Oct. 1947	2	2
D.O.M.S.	June 1947	6	1
	Dec. 1947	2	1
F.C.P.S.	April 1947	11	6
	Oct. 1947	10	6

Special classes for M.D., ((Medicine), D.A., D.L.O., D.V.D., D.O., D.O.M.S. were held during the year.

Annual Cost and Revenue.

The total expenditure of the College including the expenditure on the hostels came to Rs. 3,27,180 during the year as against Rs. 2,80,322 during the year 1946-47. In addition to the above expenditure the amount spent on payment of dearness allowance came to Rs. 52,298. The revenue of the College in the form of tuition fees, hostel rent and miscellaneous receipts amounted to Rs. 1,57,786 as against Rs. 1,49,108 during the year 1946-47. The gross cost per student for the year under report was Rs. 675.2 while the net cost worked out at Rs. 394.5 as compared with the corresponding figures of Rs. 539.1 and Rs. 252.3 respectively, for the year 1946-47. The amount of fees received from the post-graduate students was Rs. 8,295.

Library and Museum.

The late Dr. A. P. Bacha who was Honorary Surgeon at these institutions for about ten years from their inception had desired that his Library of medical books should be presented to this College as his parting gift His two sons and the trustees of his estate have accordingly donated the library to this College in his memory They have also donated Government Securities of the face value of Rs. 25,000 from the interest of which a part of the cost of the maintenance of the library will be borne. The library consists of over 3,000 books and bound volumes stored in 26 book-cases and is worth over a lac of rupees. It is housed in a spacious hall near the College library and is named "The Dr. Ardeshir Pestonji Bacha Memorial Library". The Hon'ble Mr. B. G. Kher, the Prime Minister declared the liberary open on 30th March 1948. at an impressive ceremony. We are deeply grateful to the sons and trustees of the late Dr. A. P. Bacha for this splendid gift.

Mention must also be made of the munificient donation of a lac of rupees to the library by Dr. P. C Bharucha, the Honorary Consulting Physician of these institutions to whom we are greatly indebted. With the help of these two donations the library of this College will soon be the best medical library in India.

In addition to the Dr. A. P. Bacha Memorial library 203 books were added to the library during the year as against 192 in the preceding year. Out of these, 41 books were received as presents as shown below :—

	No. of books.
Mrs. Manchhaben Pranjivan Mehta, Jamnagar ..	10
Dr. B. N. Purandare ..	2
Dr. J. L. Desai ..	10
U. S. Information Service, Bombay ..	2
Indian Research Fund Association, New Delhi ..	2
Gujerati and Marathi Literacy Societies of the College ..	2
Various publishers ..	13

Thanks are also due to Dr. J. L. Desai for his donation of Rs. 900 from which books are being purchased and loaned to deserving students.

The total number of books and periodicals read by students, undergraduate as well as post-graduate and teachers on the library premises during the year was 21,294 as against 19,964 in the preceding year. 3,041 books and periodicals were issued on loan outside the library to Resident Medical Officers of the K. E. M. Hospital, teaching staff of the College and Hospital and the Haffkine Institute, Tata Memorial Hospital, Arthur Road and Maratha Hospitals, the College of Physicians and Surgeons, Bombay, and the University Department of Chemical Technology, Bombay.

25 New Wet and Dry specimeens were added to the Anatomy Museum during the year and 30 old specimens were renewed. 8 old specimens which had gone bad were removed from the Museum. No substantial addition could be made to the number of specimens in the Anatomy Museum owing to inadequate supply of dead bodies and jars of the required size for mounting specimens. The total number of wet and dry specimens in the Anatomy and Comparative Anatomy Sections now comes to about 1,700. Students from different schools from the City and Bombay Suburban Districts and Nurses from different hospitals in the City were allowed to visit the Anatomy Museum during the year.

Due to the difficulty in procuring museum jars only 30 new specimens could be mounted during the year bringing the total number of specimens in the Pathology Museum to 1,491. No new diapositive was added during the year.

In the Artist's Department 852 photographs of patients, specimens etc., were taken during the year.

Hostels.

The number of students residing in the hostel for male students during the year under report was 147 in addition, 20 more students were provided accommodation as a temporary measure by allowing two students to stay in some of the larger corner rooms.

The number of women students residing in the women students' hostel during the year under report was the same as in the previous year, *viz.*, 28. Accommodation on a temporary basis was provided to 18 more lady students in the vacant rooms in the Nurses' Home. Both the hostels were thus fully occupied and several applications for rooms had to be rejected for want of vacancies. A pressing need for the extension of both the hostels is keenly felt.

The total expenditure incurred on the hostels was Rs. 18,741 while the income derived in the form of rent was Rs. 20,499.

Gymkhana.

The Annual Athletic Sports for this year were held on the College play-ground. The Municipal Commissioner B. K. Patel, Esqr. was kind enough to preside over the function and Mrs. Patel to distribute the prizes. The lack of a pavilion on the ground was keenly felt.

The Gymkhana took part as usual in the inter-collegiate tournaments during the year.

Miss N. Gopaldas won the championship of the Ladies Singles in the inter-collegiate Tennis Tournaments.

Messrs. S. B. Salvi and K. Sundaram were selected for the combined Colleges Football Team.

Mr. S. B. Salvi won the first prize in Pole-vault and High Jump and Mr. A. J. A. Rebello stood second in Discuss Throw in the Annual Inter-collegiate Sports.

Construction of a covered Badminton Court has been undertaken in the compound of the College at an approximate cost of Rs. 53,934.

General.

Dr. A. S. Erulkar, M.D. (Lond.), President, Medical Council of India delivered an inaugural address to the students of the College on 16th June 1947 at the beginning of the academic year. The function of distribution of prizes to the students who had distinguished themselves in the different College and University Examinations was presided over by the Hon'ble Dr. M. D. D. Gilder, M.D. (Lond.), F.R.C.S. (Eng.), Minister of Health, Government of Bombay on 15th July 1947. Dr. Mrs. Hirabai Gilder distributed the prizes.

Independence Day was celebrated on 15th August 1947 with great enthusiasm. The Flag Saluatation Ceremony was performed on that day under the auspices of Sjt. S. K. Patil.

The students collected and sent a sum of Rs. 2,200 to the Punjab Relief Fund started for relief of the sufferers from the riots occasioned by the partition of the country.

Two units under the leadership of Dr. A. L. DeSa and Dr. S. H. Chitnis were also sent for medical relief work in Lahore. The units consisted of volunteers from doctors, students nurses and other staff of these institutions.

A Society of the past students of the College has been formed and named as "Past Gosumecs Society."

Thirty students who came as refugees from medical colleges in Pakistan were admitted to the different classes of the College during the year at the instance of Government of India.

Seth G. S. Medical College and K. E. M. Hospital Staff Fund.

The securities held in the Seth G. S. Medical College and K. E. M. Hospital Staff Fund are 3 per cent Conversion Loan 1946 of the face fvalue of Rs. 11,100 and the amount of interest outstanding in Deposit Account during 1947-48 in respect of the Fund is Rs. 253.

Research.

The diffrent departments of the College and the hospital had, in addition to their normal teaching and departmental work, the following investigations in hand during the year.

(1) Use of bacteriophage in typhoid fever :—

(This enquiry was continued with the help of a fellowship from the Indian Research Fund Association. Dr. Banker the research fellow was deputed by the Indian Research Fund Association to learn the technique of bacteriophage typing under the direction of Dr. A. Felix, F.R.S., Central Enteric Reference Laboratory Colindale Avenue, London).

The work of the enquiry is continued.

(2) A survey of the intestinal parasites in the human population of Bombay with special reference to E. histolytica.

(This enquiry is being conducted with the help of a fellowship from the Indian Research Fund Association).

The enquiry was continued.

(3) Anaemias of Pregnancy.

About 50 cases from the Nawrosji Wadia Maternity Hospital have been intensively studied. The investigation is bringing forth interesting results.

*(4) Laboratory diagnosis of small-pox.

About 100 cases have been investigated so far.

(5) An investigation on Anaemias has been started with funds provided by Messrs. H. J. Foster & Co., Ltd. Bombay.

(6) Anthropometric investigations by Dr. G. M. Kurulkar are being continued.

(7) An enquiry on the relationship of the measurements of vertebrae and the body size of Indians. This enquiry is cloged owing to the departure of Dr. R. G. Ginde tc Canada for further studies is Newro-Surgery.

*(8) Nicotinic acid precursor from vegetable foodstuffs :—

Recently it has been shown that vegetable foodstuffs contain precursor of nicotinic acid which is not usually estimated by routine methods. It is further believed that probably this part is useful for human nutrition. This investigation was therefore undertaken to evolve a suitable chemical method to estimate it.

*(9) Enzymic hydrolysis of Nicotinic acid from foodstuffs :—

The nicotinic acid estimations by chemical and biological methods only give an approximate idea about its content. The best method which is almost near to the physiological process of digestion would be to liberate the acid by enzymic reactions. Efforts are being made to perfect the techinique of such estimations.

*(10) Source of Alkaline phosphatase in rickets :—

Researches are being carried to find out the source of alkaline phosphatase in Rickets since it is debated that the rise of blood phosphatase in this disease is not only from the bone phosphatase. The experiments carried out on rats supported this view. The work so far done has shown in all probability the bone and serum phosphatase in rickets are not identical.

In addition to these the following problems are also being investigated and the work is in progress :—

*(11) Nutritive value of pure bred strains of cereals and pulses.

*(12) A search for rich source of vitamins from waste products.

*(13) Studies in metabolism of fat.

(14) Studies in some nutritive aspects of Cancer.

*(15) Cytological studies of the Islets of Langerhans (Rats) with special reference to changes with various diets.

Various special methods of staining the islet cells (alpha, beta, etc.) of rats fed on stock diet were tried These methods are of differential stanining for cell types in the pancreatic islets. Since most of the methods are more or less capricious and unreliable, a special study of these various methods was first undertaken for the purpose of selecting a standard reliable method.

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* These enquiries are being carried out under the auspices of the India Research Fund Association.

Publications.

Articles on medical subjects published by the members of the Honorary, Professorial and other staff during the year are as under :—

Serial No.	Contributed by	Title of the article.	Name of the Journal in which the article was published.
(1)	(2)	(3)	(4)
1	Dr. Athale L. H.	.. Some recent development in Roentgen Therapy.	Indian Journal of Medical Science, II : 19 (Jan.) 1948.
2	Dr. Bhende Y. M.	.. Laboratory Investigations in the Diagnosis, Prognosis and Treatment of Tuberculosis.	Indian Journal of Medical Science, II : 163 (March) 1948.
	Do.	.. Epidermoids (Cholesteatomas) of the Brain.	Arch. Patho., 43 : 570 (June) 1948.
	Do.	.. Brenner Tumour of the Ovary—Report of 2 cases.	Indian Medical Gazette, Vol. 82, June 1947.
3	Dr. Bharucha E. P.	.. Hypertension.	Indian Physician, 6 : 147 (June) 1947 : 153 (July) 1947.
4	Dr. Chitre R. G.	.. Some rich sources of Active Caroteneids.	J. Science and Industrial Research, Vol. 6B : 101, (July) 1947.
	Do.	.. Ascorbic Acid and Glutathione Contents of Human Carcinoma.	Current Science, 17 : 54 (Feb.), 1948.
5	Dr. Cooper S. N.	.. Hypopyon : Its Formation and Treatment.	Indian Journal of Medical Science, I : 195 (Oct.) 1947.
	Do.	.. A study of Immunological Effects of Lens and Uveal Proteins.	Indian Physician, 7 : 67 (March) 1948.
6	Dr. Desa A. E.	.. Facial Nerve Block in Face Surgery.	Indian Journal of Medical Science, I : 105 (Sept) 1947.
7	Dr. Desai S. C.	.. Calciferol Treatment of Lupus Vulgaris.	Indian Journal of Medical Science, I : 237 (Nov.) 1947.
	Do.	.. Treatment of Erysipeloid with Penicillin.	Indian Journal of Medical Science I : 182 (Mar.) 1948.
8	Mr. Dikshit P. K. & Dr. Patwardhan V. N.	Studies in Experimental Rickets : Alkaline Serium Phosphatase in Rachitic Albino Rats.	Indian Journal of Medical Research, 35 : 91 (April) 1947.
9	Dr. Ginde R. G.	.. Acute Abdomen and the Practitioner.	Indian Journal of Medical Science, I : 244 (Nov.) 1947.
	Do.	.. Suppurative Thyroditis leading to Chronic Thyroid Abscess.	Indian Journal of Medical Science, II : 104 (Feb.) 1948.
10	Dr. Jadhav V. V.	.. Emergency Management—Its Administrative Aspects.	Indian Physician, 6 : 90 (April) 1947.
11	Dr. Mehta V. P.	.. Emergency Management—Its Surgical Aspects.	Indian Physician, 6 : 107 (May) 1947.
12	Dr. Pandya M. M. & Dr. Worah C. S.	Some Problems in Surgical Treatment of Gastro-duodenal Ulcer and the value of Partial Gastrectomy.	Indian Physician, 6 : 9 (Jan.) 1947.
13	Dr. Paranjape A. S.	.. Review of Pharmacology in India.	Annual Review of Biochemistry and Allied Research in India 1947.
14	Dr. Patel J. C.	.. Antimony and Filariasis (W. Bancrofti) : Progress since World War II.	Indian Journal of Medical Science, II : 151 (March) 1947.
	Dr. Patel & Dr. Ginde R.G.	.. Thyrotoxycosis.	Indian Physician, 6 : 112 (May) 1947.
	Dr. Patel J. C.	.. Antimalarial Drugs.	Indian Journal of Medical Science, I : 16 (July) 1947.
	Do.	.. Liver Extract of Indian Manufacture in Nutritional Anaemia.	Indian Journal of Medical Science, I : 231 (Nov.) 1947.
	Dr. Patel J. C. : Dr. Monteiro L. : Dr. Banker D. D. & Miss B. P. Kapadia.	Enteric Fever.	Indian Physician, 6 : 271 (Dec.) 1947.
15	Dr. Patel N. D.	.. On Headache.	Indian Physician, 6 : 101 (May) 1947.
	Do.	.. Medical Record taking : A scheme for Routine Medical History taking and Examination of Patients.	1948 (a pamphlet).
16	Dr. Purandare B. N.	.. Trilene Analgesia in Labour.	Indian Physician, 6 : 181 (Aug.) 1947.
	Do.	.. Present Vaginal and Abdominal methods of Sterilization in Females.	Indian Journal of Medical Science, II : 1 (Jan.) 1948.
17	Dr. Sirkar B. N.	.. Cyclopropane Anaesthesia.	Indian Journal of Medical Science, Vol. I : 161 (Oct.) 1947.
18	Dr. Vaidya K. N.	.. Analysis of 60 cases with Positive Blood Cultures.	Indian Journal of Medical Science II : 67 (Feb.) 1948.

In conclusion, I would like to express my sincere thanks to the members of the Honorary Staff of the Hospital and the Professional and Teaching Staff for their co-operation and willing help.

R. G. DHAYAGUDE
Dean,
K.E.M. Hospital & Seth G. S. Medical College.

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APPENDIX No. 1.

THE COLLEGE AND HOSPITAL SENIOR STAFF.

Dean.

R. G. DHAYAGUDE, ESQ., M.D. (Bom.).

Assistant Dean.

V. V. JADHAV, ESQ., M.B., B.S. (Bom.).

Assistant Medical Officers.

S. V. JOGLEKAR, ESQ., M.S. (Bom.), F.C.P.S. (Bom.).
G. S. AMBARDEKAR, ESQ., M.B.,B.S. (Bom.), D.A.R.C.S. (Eng.). (Upto 30-6-1947)
R. P. PARULEKAR, ESQ., M.B.B.S. (BOM.), (from 1-7-1949 to 2-9-1947).
V. A. AWALEGAONKAR, ESQ., M.B.B.S. (BOM.), F.C.P.S. (BOM.). (from 3-9-1947 onwards)

Professor of Anatomy.

R. P. KOPPIKAR, ESQ., M.S. (Bom.), F.C.P.S. (Bom).

Assistant Professor of Anatomy.

G. M. KURULKAR, ESQ., M.B.,B.S. (Bom).

Professor of Physiology.

S. P. NIYOGI, ESQ., M.SC., M.B. (Cal.), (On leave preparatory to retirement from 10th November 1945 to 29th November, 1947).
K. C. BATLIWALLA, ESQ. M.B.,B.S., PH. D.

Assistant Professor of Physiology.

A. G. DUARTE MONTEIRO, ESQ. B.SC., M.B.B.S.

Professor of Pharmacology and Materia Medica.

A. S. PARANJPE, ESQ., M.D. (Heidl.), D.T.M. (Lond.), M.B., ch.B. (Edin.). (On special contract for 2 years from 19-3-1948.).

Professor of Pathology and Bacteriology.

R. G. DHAYAGUDE, ESQ., M.D. (Bom.)
Y. M. BHENDE, ESQ. M.D. (Bom.) (Ag. Prof. of Pathology & Bacteriology from 1-11-1947).

Assistant Professors of Pathology and Bacteriology.

Y. M. BHENDE, ESQ., M.D. (Bom.), *(On leave from 22nd March 1947 to 31st October 1947).*
L. MONTEIRO, ESQ., M.D. (Bom.).
N. M. PURANDARE, ESQ. M.D. (Bom.)

Honorary Physicians and Lecturers in Medicine.

N. D. PATEL, ESQ., M.D. (Lond.), M.R.C.P. (Lond.).
N. K. SAHIAR, ESQ., M.D. (Lond.), M.R.C.P. (Lond.).
ABDUL HAMEED, ESQ., M.D. (Bom.).
MANGALDAS J. SHAH, ESQ. M.B.,B.S. (Bom.), M.R.C.P. (Lond.), D.T.M.&H. (Lond.).
P. RAGHAVAN, ESQ., M.D. (Bom.).
R. J. VAKIL, ESQ., M.D. (Lond.), M.R.C.P. (Lond.), F.R.F.P.S.

Honorary Assistant Physicians and Lecturers in Medicine.

J. C. PATEL, ESQ., M.D. (Bom.), M.R.C.P. (Lond.).
E. R. DEMELLO, ESQ., M.D. (Bom.)
J. K. MEHTA, ESQ. M.D. (Bom.), M.R.C.P. (Lond.).
E. P. BHARUCHA, ESQ. M.D. (Bom.), (On leave upto 2nd June 1947).
J. P. VAZIFDAR, ESQ., M.D. (Bom.), F.C.P.S. (Bom.). (Acting as Honorary Assistant Physician from 3rd January 1947 to 31st May 1947).

Honorary Surgeons and Lecturers in Surgery.

R. N. COOPER, ESQ., M.S. (Lond.), F.R.C.S. (Eng.), F.C.P.S. (Bom.).
A. V. BALIGA, ESQ., F.R.C.S. (Eng.)
K. G. MUNSIF, ESQ., M.B.,B.S. (Bom.), F.R.C.S. (Eng.).
G. M. PHADKE, ESQ., M.B.,B.S. (Lond.), F.R.C.S. (Eng.).
M. M. PANDYA, ESQ., M.B.,B.S. (Bom.), F.R.C.S. (Eng.).
A. E. DESA, ESQ., M.B.,B.S. (Bom.), F.R.C.S. (Eng.).

Honorary Assistant Surgeons and Lecturers in Surgery.

S. H. CHITNIS, ESQ., M.S. (Bom.).
R. G. GINDE, ESQ., M.S. (Bom.)., (On leave for 2 years from 1-2-1948).
P. K. SEN, ESQ., M.S. (Bom.).
R. H. KARMARKAR, ESQ., M.B.,B.S. (Bom.), F.R.C.S. (Eng.).
C. S. WORAH, ESQ., M.S. (Bom.).
V. P. MEHTA, ESQ., M.D., M.S., F.C.P.S. (Bom).

Honorary Orthopaedic Surgeons.

R. J. KATRAK, ESQ., B.A., B.Sc. (Bom.), F.R.C.S. (Eng.), M.Ch. Orthopaedics (Liverpool).

A. K. TALWALKAR, ESQ., M.B.,B.S. (Bom.), F.R.C.S. (Eng.). M.ch. (Orthopaedics (Liverpool) (from 1-8-1947).

Honorary Assistant Orthopaedic Surgeon.

A. K. TALWALKAR, ESQ. M.B.B.S. (Bom.), F.R.C.S. (Eng.), M. ch. Orthopaedics (Liverpool). (Upto 31-7-1947).
G. V. KETKAR, ESQ. M.S. (Bom.), (from 9-9-1947).

Honorary Aural Surgeon and Lecturer in Ear, Nose and Throat.

HOMI D. GANDHI, ESQ., M.B.,B.S. (Bom.), F.R.C.S. (Edin.).

Honorary Assistant Aural Surgeon.

S. G. JOSHI, ESQ., M.S. (Bom). (On leave from 1-4-1947 to 3-2-1948).

L. H. HIRANANDANI, ESQ., F.R.C.S. (Eng.). (Ag. Hon. Asstt. Aural Surgeon from 15-4-1947 to 31-1-1948).

Honorary Gynaecologists and Lecturers in Gynaecology and Obstetrics.

MISS P. C. DAROOWALLA, M.D. (Bom).
K. M. MASANI, ESQ., M.D. (Lond.), F.R.C.S. (Eng.).

Honorary Assistant Gynaecologist.

B. N. PURANDARE, ESQ., M.D. (Bom.), F.R.C.S. (Edin.).

Honorary Ophthalmic Surgeon and Lecturer in Ophthalmology.

S. N. COOPER, ESQ., M.B.,B.S., D.O. (Bom.), D.O. (Oxon.), D.O.M.S. (Lond.).

Honorary Assistant Ophthalmic Surgeon.

C. B. DHURANDHAR, ESQ., D.O. (Bom.).

Honorary Radiologist and Lecturer in Radiology and Electro-Therapy.

Z. J. JOSEPH, ESQ., M.D. (Bom.), D.M.R.E. (Cantab.).

Honorary Assistant Radiologist (Honorary Lecturer in Radiology from 1-2-1948.)

L. H. ATHLE, ESQ., M.B.,B.S. (Bom.), D.M.R.E. (Eng.),

Honorary Anaesthetist and Lecturer in Anaesthesia.

MOKSHA MADAN DESAI, ESQ., M.B.,B.S , (Bom.), D.A. (Eng.).

Junior Honorary Anaesthetist.

B. N. SIRCAR, ESQ., M.B.,B.S., (Bom.), D.A., R.C.P.&S., (Eng.).

Honorary Dental Surgeons and Lecturers in Dentistry.

D. M. DESAI, ESQ., L.D.S., R.C.S. (Eng.). (Retired due to superannuation from 30-6-1947).
J. A. AVASIA, ESQ., L.D.S., R.C.S., (Eng.),

Honorary Dermatologist and Venereologist and Lecturer in Dermatology and Venereology.

J. A. FERNANDEZ, ESQ., L.R.C.P. (Lond.), M.R.C.S. (Eng.), M.R.C.P. (Edin.).

Honorary Assistant Dermatologist and Venereologist.

S. C. DESAI, ESQ., M.D. (Bom.),

Honorary Lecturer in Medical Jurisprudence and Toxicology.

V. V. JADHAV, ESQ., M.B.,B.S. (Bom.).

Honorary Lecturer in Hygiene and Preventive Medicine.

B. C. DAS GUPTA, ESQ., B.Sc. (Hon.), (Cal.), M.B., (Cal.), M.R.C.P. (Ireland), D.T.M.& H., (Lond.), D.P.H. (Lond.). (On leave from 20-10-1947).
P. K. GANDHI, ESQ., M.B.,B.S. (Bom.), B.Hy. (Bom.), (Actg. Hon. Lecturer in Hygiene from 22-11-1947.)

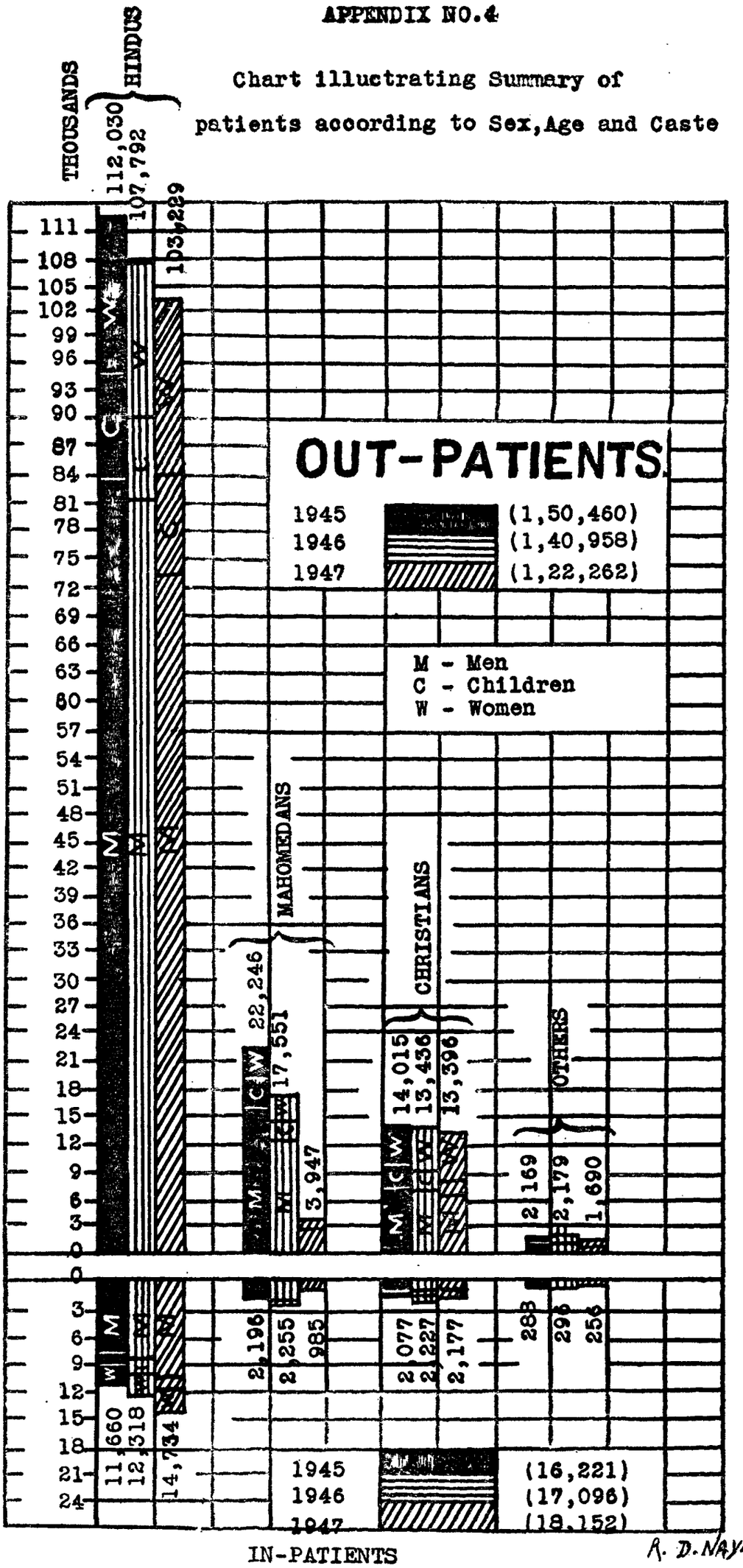
Honorary Lecturer in Psychiatry.

N. S. VAHIA, ESQ., M.D. (Bom.). (From 24-4-1947).

APPENDIX NO.4

Chart illuctrating Summary of

patients according to Sex, Age and Caste



A. D. Nayak

APPENDIX No. 2

Summary of in-patients treated at the K.E.M. Hospital during the year 1947 classified according to departments and sex with results.

Department.	Sex.	In Hospital on midnight of 31-12-1946.	Admitted during the year.	Total.	Discharged during the year.	Died during the year.	In Hospital on midnight of 31-12-1947.
Medical ...	Male ...	136	4,835	4,971	4,170	660	141
	Female ...	54	1,380	1,434	1,103	279	52
	Children—						
	Male ...	11	543	554	388	152	14
	Female ...	13	366	379	248	119	12
Surgical ...	Male ...	116	4,215	4,331	3,847	361	123
	Female ...	32	872	904	761	108	35
	Children—						
	Male ...	5	293	303	270	28	5
	Female ...	2	135	137	117	19	1
Ophthalmic ...	Male ...	23	579	602	587	...	15
	Female ...	11	309	320	304	...	16
	Children—						
	Male ...	...	16	16	16	...	...
	Female ...	...	16	16	16	...	...
Gynaecological ...	Female ...	34	665	699	668	16	15
	Children—						
	Female ...	...	3	3	3	...	...
Aural ...	Male ...	15	696	711	698	8	5
	Female ...	3	377	380	375	2	3
	Children—						
	Male ...	3	192	195	191	1	3
	Female ...	...	147	147	142	4	1
Orthopaedic ...	Male ...	55	1,279	1,334	1,237	44	53
	Female ...	16	246	262	232	12	18
	Children—						
	Male ...	2	151	153	144	1	8
	Female ...	1	75	76	72	1	3
Skin & Venereal...	Male ...	12	524	536	521	3	12
	Female ...	3	96	99	93	1	5
	Children—						
	Male ...	2	19	21	21	...	...
	Female ...	1	17	18	17	1	...
Dental ...	Male ...	...	1	1	1	...	...
	Female ...	...	...	...	...	...	...
	Children—						
	Male ...	...	...	...	...	...	...
	Female ...	...	...	...	...	...	...
Total ...	Male ...	357	12,229	12,586	11,161	1,076	349
	Female ...	153	3,944	4,097	3,535	418	144
	Children—						
	Male ...	23	1,220	1,243	1,071	182	30
	Female ...	7	759	766	605	144	17
Grand Total ...		540	18,152	18,692	16,332	1,820	540

APPENDIX No. 3.

summary of out-patients classified according to departments and the sex for the year 1947.

Department.	Sex.	O. P. D. New Cases.	O. P. D. Old Cases.	Total Attendance.	Casualty cases.
Medical ...	Male ...	26,992	49,759	76,751	707
	Female ...	9,427	29,856	39,283	168
	Children—				
	Male ...	2,852	2,671	5,523	141
	Female ...	2,217	1,979	4,196	63
Surgical ...	Male ...	26,970	65,978	92,948	16,309
	Female ...	4,617	22,679	27,296	2,162
	Children—				
	Male ...	1,668	2,267	3,935	1,221
	Female ...	867	1,663	2,530	567
Ophthalmic ...	Male ...	7,681	15,792	23,473	2,245
	Female ...	2,042	9,527	11,569	49
	Children—				
	Male ...	465	745	1,210	29
	Female ...	406	562	968	8
Gynaecological ...	Female ...	3,388	11,720	15,108	7
	Children—				
	Female ...	7	...	7	1
Dental ...	Male ...	4,143	1,486	5,629	37
	Female ...	1,298	1,051	2,349	7
	Children—				
	Male ...	147	388	535	4
	Female ...	95	319	414	...
Sikin & Venereal ...	Male ...	10,669	27,351	38,020	8
	Female ...	1,959	17,832	19,791	2
	Children—				
	Male ...	1,026	1,844	2,870	1
	Female ...	824	1,289	2,113	...
Aural ...	Male ...	4,237	12,214	16,451	231
	Female ...	1,757	10,375	12,132	51
	Children—				
	Male ...	734	1,017	1,751	95
	Female ...	597	727	1,324	69
Orthopaedic ...	Male ...	3,774	12,418	16,192	2,550
	Female	684	4,161	4,845	369
	Children				
	Male ...	496	775	1,271	366
	Female ...	223	586	809	145
	Grand Total ...	1,22,262	3,09,031	4,31,293	27,612

APPENDIX No. 5.

Summary of patients treated in the K. E. M. Hospital according to diseases for the year 1947.

Names of diseases.	IN-PATIENTS								Out-patients. and casualty cases
	Remained.	Admitted.	Total.	Discharged				Remaining.	
				Cured.	Relieved.	Otherwise.	Died.		
Infectious etc., Diseases.									
1. Measles ..	...	2	2	1	...	1	...	...	19
2. Whooping cough ...	...	4	4	...	3	1	...	...	45
3. Influenza ...	1	50	51	47	4	...	...	...	540
4. Influenzial pneumonia.	...	..	...	...	...	...	...	...	...
5. Erysipelas ...	...	1	1	1	...	...	...	...	5
6. Other infectious etc. diseases ...	20	1,135	1,155	558	225	147	208	17	4,468
7. Tuberculosis-primary.	4	217	221	3	51	126	30	11	1,374
8. Tuberculosis-other forms ...	18	379	397	45	119	147	70	16	1,093
9. Syphilis ...	6	215	221	23	143	46	6	3	1,861
10. Gonococcal infection	1	70	71	31	40	...	...	...	602
11. Soft Chancer ...	...	18	18	8	5	4	...	1	235
12. Septicaemia ...	...	13	13	1	...	2	10	...	14
13. Pyaemia ...	1	22	23	18	3	2	...	...	33
13(a) Enteric fever ...	15	305	320	179	50	8	70	13	506
13(b) Malaria ...	9	399	408	273	75	47	10	3	2,461
Neoplasms.									
14. Carcinoma ..									
15. Sarcoma ...									
16. Other or not defined Malignant diseases	10	244	254	37	59	120	25	13	309
17. Non-malignant tumour etc. ..	8	259	367	129	145	76	10	7	861
Rheumatism etc.									
18. Rheumatic fever ..									
19. Acute Rheumatism ..	...	10	10	5	3	2	...	...	685
20. Chronic or undefined rheumatism ..	7	185	192	47	83	58	1	3	1,445
21. Gout ...	...	...	...	...	...	...	...	...	...
22. Fibrositis ..	...	8	8	2	4	2	...	...	262
23. Lumbago, myalgia ..	1	23	24	3	17	4	...	...	399
Nervous System etc.									
25. Meningitis ...	2	127	129	43	17	15	50	4	52
26. Tabes Dorsalis ...	...	...	...	...	...	...	...	...	...
27. Cerebral Haemorrhage	...	15	15	...	1	1	13	...	17
28. Embolism ...	...	...	...	...	...	...	...	...	...
29. Thrombosis ...	...	...	...	...	...	...	...	...	...
30A. Paralysis from acute poliomyelitis ...	...	...	...	...	...	...	...		...
30B. General paralysis of the insane ...	..	1	1	...	...	...	...	... 1	...
31. Paralysis agitans ...	...	2	2	...	1	1	...	...	15

APPENDIX No. 5.—(*contd.*)

Summary of patients treated in the K. E. M. Hospital according to diseases for the year 1947.

Names of diseases	IN-PATIENTS								Out-patients. and casualty cases
	Remained.	Admitted.	Total.	Discharged.				Remaining.	
				Cured.	Relieved	Otherwise.	Died.		
32. Other paralysis ...	9	150	159	12	51	68	20	8	342
33. Other insanity ...	...	...	...	...	...	...	...	...	29
34. Epilepsy ...	...	30	30	6	15	9	...	...	52
35. Idocy ...	...	1	1	...	...	1	...	...	6
36. Imbecility ...	...	...	...	...	...	...	...	...	...
37. Disseiminated Sclerosis	...	3	3	1	1	1	...	...	...
38. Neuritis ...	1	35	36	15	8	12	...	1	345
39. Neuralgia ...									
40. Sciatica ...	2	25	27	3	8	15	1	...	158
41. Other diseases of the nervous system ...	7	153	160	45	37	40	31	7	828
Total diseases of the nervous system ...	21	542	563	125	136	163	115	21	1,844
42. Diseases of the Eye ...	35	804	839	603	109	94	...	33	6.833
Circulatory System.									
43. Valvular heart disease	21	290	311	29	129	60	83	10	252
44. Myocardial disease ...	2	95	97	13	41	36	7	...	...
45. Other heart diseases ...	1	33	34	11	9	5	5	4	16
46. Aneurysm ...	1	15	16	2	4	6	4	...	29
47. Arterio-sclerosis ...	...	59	59	3	27	11	14	4	58
48. Hypertension ...									
49. Gangrene ...	...	...	...	...	...	...	...	...	...
50. Diseases of the veins (non-puerperal) ...	...	23	23	8	7	3	3	2	72
51. Other diseases of the circulatory system ...	1	15	16	...	2	...	9	5	115
Total diseases of the circulatory system	26	530	556	66	219	121	125	25	542
51A. Diseases of the blood ..	39	649	688	109	373	40	142	24	1,360
Ear, Nose and Throat Diseases.									
52. Enlarged tonsils and adenoids ...	4	750	754	383	319	50	...	2	1,599
53 to 55. Coryza and Rhinitis and Catarrh ...	1	95	96	45	27	20	2	2	829
56. Others ...	10	390	400	143	203	43	6	5	3,498
Respiratory System.									
57. Bronchitis acute ...	2	113	115	71	19	20	5	...	4,078
58. Do. chronic ...									
59. Do. not stated ...									
60. Lobar pneumonia ...	2	196	198	145	9	...	39	5	246
61. Broncho-pneumonia ...	...	153	153	73	5	16	59	...	130
62. Pneumonia, other or not stated ...	4	705	709	571	37	27	57	17	608
63. Pleurisy ...	12	151	163	37	87	26	5	8	301
64. Empyema ...	3	33	36	13	5	11	6	1	12
65. Asthma ...	3	95	98	7	85	3	...	3	745
66 Hay Fever ...	...	...	...	...	...	...	...	...	...
67. Other diseases of respiratory system ...	8	134	142	17	51	32	31	11	365
Total diseases of the Respiratory system	34	1,580	1,614	914	298	135	202	45	6,486

APPENDIX No. 5—(*contd.*)

Summary of patients treated in the K. E. M. Hospital according to diseases for the year 1947.

Names of diseases.	IN-PATIENTS								Out-patients. and casualty cases
	Remained.	Admitted.	Total.	Discharged				Remaining.	
				Cured.	Relieved.	Otherwise.	Died.		
Digestive System etc.									
68. Ulcer, stomach ...	5	55	60	5	24	29	2	...	563
69. Ulcer, duodenum ...	3	99	102	19	35	41	6	1	52
70. Chronic dyspepsia ...	...	13	13	2	9	2	...	...	781
71. Diarrhoea ...	2	201	203	87	57	25	28	6	1,646
72. Enteritis ...	3	122	125	53	43	11	18	...	348
73. Appendicitis ...	8	305	313	157	105	41	4	6	265
74. Hernia ...	7	265	292	213	43	15	10	8	432
75. Intestinal obstruction... acute									
76. Do. chronic ...	...	45	45	4	9	13	19	...	53
77. Do. not stated ...									
78. Stasis ...	...	...	...	...	...	...	...	...	...
79. Constipation ...	3	98	101	15	37	49	...	...	1,758
80. Cirrhosis of liver and abscess	4	232	236	56	75	60	35	10	317
81. Biliary calculi ...	...	5	5	2	1	2	...	...	3
82. Other diseases of the digestive system ...	23	619	642	275	169	84	96	18	8,311
Total diseases of the digestive system ...	58	2,079	2,137	891	607	372	218	49	14,529
82.A Diseases of Lymphatic System ...	1	66	67	19	35	12	1	...	346
82.B Diseases of Thyroid glands. ...	2	30	32	23	2	6	1	...	56
Genito-Urinary System.									
83. Nephritis—acute ...									
84. Nephritis—chronic ...	1	85	86	22	29	10	21	4	67
85. Nephritis—not stated.									
86. Other diseases of kidney ...	4	167	171	53	77	37	1	3	448
87. Diseases of bladder ...	...	39	39	7	23	9	...	...	69
88. Urinary calculi ...	1	51	52	37	8	4	3	...	71
89. Diseases of prostate (non-malignant)	2	59	61	25	29	3	2	2	65
90. Stricture of urethra ...	1	9	10	3	3	3	1	...	30
91. Other diseases of urinary organs ...	...	41	41	13	17	8	...	3	176
92. Non-Venereal diseases of genital organs	10	442	452	253	135	36	23	5	1,607
Total diseases of the Genital organs.	23	582	605	169	183	234	4	15	2,093
Total—diseases of the genito-urinary system	42	1 475	1,517	582	504	344	55	32	4,635
Pregnancy, parturition.									
93. Abortion, pregnancy etc. ...	2	63	65	31	17	16	...	1	489
94 Ante-natal cases, confinement, post-natal cases ...	...	...	...	...	...	...	...	...	...
Skins Bones etc.									
95. Boil ...	...	9	9	3	5	1	...	...	384
96. Carbuncle ...	2	5	7	2	3	1	1	...	30
97. Abscess ...	4	92	96	47	35	5	1	8	1,521
98. Ulcer ...	1	92	93	27	39	20	5	2	1,322
99. Bed-sore ...	...	...	...	...	...	...	...	...	...

APPENDIX No. 5—(*concld.*)

Summary of patients treated in the K. E. M. Hospital according to diseases for the year 1947.

Names of diseases.	IN-PATIENTS.								Out-patients and casualty cases
	Remained.	Admitted.	Total.	Discharged				Remaining.	
				Cured.	Relieved.	Otherwise	Died.		
100. Eczema ...	1	2	3	...	3	...	...	...	316
101. Scabies ...	4	160	164	79	73	12	...	...	5,106
102. Other diseases of Skin and Cellular Tissue ...	18	211	229	107	93	10	3	16	5,738
Bones.									
103. Diseases of bones ...	2	277	279	57	193	24	2	3	97
103*a* Diseases of joints ...	4	159	163	45	103	5	...	10	233
103*b* Diseases of muscles	...	43	43	21	17	5	...	...	181
104. Congenital malformations ...	5	81	86	19	51	15	1	...	130
Others.									
109. Rickets ...	1	15	16	5	8	2	1	...	57
109*a* Scurvey ...	...	3	3	...	1	1	...	1	8
109*b* Pellagra ...	...	3	3	1	1	1	...	...	15
110. Diabetes ...	...	15	15	3	10	...	1	1	21
111. Senile decay 111*a* General debility 112. Senile dementia	3	85	88	7	37	13	21	10	620
112A. Poisioning ...	3	288	291	216	34	14	12	15	2,826
Violence (1) Fractures.									
113. Skull, vault and/or base	1	93	94	15	11	1	65	2	58
114. Lower jaw ... 115. Other facial bone ...	1	27	28	4	17	7	...	...	47
116. Spinal column (other than sacrum and Coccyx) ...	3	151	154	17	53	66	13	5	137
117. Sacrum ...	...	...	...	...	...	...	...	...	...
118. Coccyx ...	...	...	...	...	...	...	...	...	...
119. Ribs, sternum ...	...	63	63	13	39	4	7	...	175
120. Clavicle ...	...	14	14	4	9	1	...	...	117
121. Scapula ...	...	9	9	3	5	1	...	...	13
122. Humerus ...	2	95	97	39	51	4	...	3	167
123. Radius and ulna ...	4	153	157	35	93	26	2	1	642
124. Carpal bones ... 125. Metacarpals, phalanges of fingers.	...	19	19	5	10	4	...	...	262
126. Pelvis (other than sacrum and coccyx)	...	23	23	3	9	10	1	...	14
127. Femur ...	17	217	234	77	81	37	23	16	154
128. Patella ...	6	33	39	12	17	7	...	3	35
129. Tibia and/or fibula ...	5	107	112	37	47	15	9	4	160
130. Tarsal bones ... 131. Metatarsals and Phalanges of toes	2	87	89	33	47	7	2	...	268
Total—No. of patients treated for fractures	41	1,091	1,132	297	489	190	122	34	2,249
132. Other injuries ...	73	2,529	2,602	860	904	392	343	103	19,027
133. Other ill-defined Injuires	1	125	126	13	3	107	...	3	218
134. No diseases— N.A.D.	1	155	156	21	14	113	...	8	21,900
Grand Total ...	540	18,152	18,692	7,195	5,997	3,140	1,820	540	1,22,263

APPENDIX No. 6.

Statement showing classification according to principal sites, of lesion in in-patients suffering from Tuberculosis treated in the K. E. M. Hospital during the year 1947.

	Respiratory system.	Brain and spinal cord.	Intestines and perito-neum etc.	Genito-urinary system.	Bones and Joints.				* Glands.	Generalised.	Others.	Total.	Remarks
					Spine.	Hip.	Knee.	Others					
Discharges ...	187	2	118	18	60	12	10	35	33	...	21	496	
Deaths ...	30	46	12	...	4	...	5	...	...	3	...	100	
Total ...	217	48	130	18	64	12	15	35	33	3	21	596	

APPENDIX No. 7.

Patients suffering from Malignant Neoplasms classified according to the Type of growth, Sex and Age Discharged and Deaths during the year 1947.

		Age Group.									Results.			
Type of growth.	Sex.	0-14 years.	15-24 years.	25-34 years.	35-44 years.	45-54 years.	55-64 years.	65-74 years.	75-84 years.	85 years and above.	Dis-charged.	Deaths.	Total.	Remarks.
Carcinoma ...	Male ...	...	...	7	15	25	17	4	...	...	56	12	68	
	Female ...	...	4	10	22	20	5	1	...	...	53	9	62	
Sarcoma ...	Male ...	4	3	2	6	4	...	...	...	...	17	2	19	
	Female ...	2	2	4	..	2	2	1	...	...	12	1	13	
Rodent ulcer ...	Male ...	...	...	...	...	...	...	...	...	...	...	...	...	
	Female ...	...	...	...	...	...	...	...	...	...	...	...	...	
Unclassified ...	Male ...	...	2	6	8	10	11	...	...	...	36	1	37	
	Female ...	2	2	2	4	5	2	2	...	...	19	...	19	
Total	Male ...	4	5	15	29	39	28	4	...	...	109	15	124	
	Female ...	4	8	16	26	27	9	4	...	...	84	10	94	
Grand Total ...		8	13	31	55	66	37	8	...	...	193	25	218	

APPENDIX No. 8.

Patients suffering from Malignant Neoplasms—(Discharged and deaths, classified according to site and sex) for the year 1947.

Site of growth.	Male.	Female.	TOTAL.				Remarks.
			Discharged.		Expired.		
			Male.	Female.	Male.	Female.	
Alimentary tract above stomach ...	9	...	7	...	2	...	
Stomach ...	15	6	10	6	5	...	
Intestines ...	4	...	1	...	3	...	
Rectum ...	2	...	2	...	...	...	
Anus ...	...	...	...	...	...	...	
Respiratory system ...	25	3	22	2	3	1	
Prostate ...	1	...	1	...	...	...	
Bones and others ...	68	29	66	26	2	3	
Female generative organs—							
Ovary & tubes ...	...	9	...	7	...	2	
Body of the Uterus ...	...	9	...	9	...	...	
Cervix, Vagina, Vulva ...	...	27	...	24	...	3	
Breast ...	...	11	...	10	...	1	
Other sites ...	...	...	...	...	...	...	
Discharged ...	...	...	109	84	...	...	
Deaths ...	...	...	...	...	15	10	
Total ...	124	94	193		25		
	218		218				

APPENDIX No. 9

Statement showing Fracture cases treated in the K. E, M. Hospital during the year 1947.

Nature of fracture.	Simple.	Compound.	Pathological.	Total	Operative reduction.	Complications with				Cases with end results					
						Joints.	Nerves	Vessels	Others	Good.	Fair.	Bad.	Died.	Could not be Traced	Total
Calcaneous ...	16	...	...	16	...	...	...	...	...	11	4	...	...	1	16
Carpals & phalanges	37	32	...	69	63	48	23	22	22	30	22	1	1	15	69
Clavicle ...	11	...	...	11	...	...	...	...	...	11	...	...	...	...	11
Colles' ...	13	4	...	17	17	...	...	...	...	11	5	...	...	1	17
Femur ...	146	13	...	159	38	5	...	...	...	71	45	...	20	23	159
Humerus ...	101	3	...	104	35	...	6	1	...	53	24	...	2	25	104
Mandible ...	...	8	...	8	3	...	...	...	2	6	2	...	...	...	8
Multiple ...	19	8	...	27	11	...	...	...	19	11	5	...	7	4	27
Olecranon ...	4	1	...	5	...	...	...	...	4	2	2	...	...	1	5
Patella ...	25	1	...	26	17	...	...	...	5	12	9	...	5	...	26
Pelvis ...	27	3	...	30	11	...	...	...	4	13	6	1	1	9	30
Pott's ...	12	3	...	15	...	...	...	...	4	6	4	2	...	3	15
Radius and Ulna ...	67	26	...	93	...	...	3	2	...	40	39	8	...	6	93
Ribs ...	20	...	...	20	...	...	3	2	...	19	...	...	1	...	20
Spine ...	146	...	...	146	...	...	29	...	...	72	37	12	17	8	146
Tibia and Fibula ...	148	51	...	199	...	...	...	...	...	103	56	...	11	29	199
Total ...	792	153	...	945	195	53	64	27	60	471	260	24	65	125	945

APPENDIX No. 10.

Statement showing Head Injuries and Fractures of the skull treated in the K. E. M. Hospital during the year 1947.

PARTICULARS.	OPERATED					NON-OPERATED					Grand total.
	Cured.	Relieved.	Other-wise.	Died.	Total	Cured.	Relieved.	Other-wise.	Died.	Total	
Uncomplicated scalp injuries...	60	83	12	1	156	55	86	32	3	176	332
C.L.Ws. Haematomas. Concussion with or without scalp injuries. ...	7	5	2	...	14	76	126	35	3	240	254
Fracture vault skull undepressed	11	5	1	4	21	...	...	2	5	7	28
Depressed fracture skull uncomplicated. ...	6	1	1	4	12	1	...	...	4	5	17
Fracture base skull ...	...	...	...	...	...	12	6	2	23	43	43
Laceration of brain and Intracranial haemorrhage ...	1	1	...	3	5	...	...	1	52	53	58
Total ...	85	95	16	12	208	144	218	72	90	524	732

APPENDIX No. 11.

Statement of diseases of female generative organs treated in the K. E. M. Hospital during the year 1947.

Names of diseases.	IN-PATIENTS								Out-patients and casualty cases
	Remained.	Admitted.	Total.	Discharged.				Remaining.	
				Cured.	Relieved.	Otherwise.	Died.		
Inflamatory.									
Endometritis ...	...	15	15	7	4	4	...	...	89
Oernicitro-endocarditis ...	...	...	...	...	...	...	...	...	1
Salphingitis, Oophoritis and Salpingo-oophritis ...	5	53	58	29	14	11	1	3	79
Vaginitis ...	...	33	33	23	3	7	...	...	66
Vulvitis ...	...	...	...	...	...	...	...	...	16
Bartholonitis & abscess ...	2	5	7	2	5	...	...	...	21
Acute and sub-acute pelvic inflammation ...	...	17	17	9	5	1	1	1	35
Pelvic abscess. ...	...	3	3	...	3	...	...	...	...
Pelvic cellulities peurperal ...	...	2	2	1	1	...	...	...	2
Laceration and Displacements									
Laceration of cervix ... Uterine displacements ... Chronic uterine inversion ...	...	5	5	5	...	...	...	...	8
Prolapse ...	7	93	100	49	13	28	2	8	541
Fistula urinary ... Fistula-rectal ...	3	17	20	3	5	11	...	1	13
Functional.									
Amenorrhoea ...	1	7	8	1	5	2	...	...	274
Dysmenorrhoea ...	...	14	14	2	5	7	...	...	96
Menorrhagia ...	...	33	33	13	8	12	...	...	171
Metropathia haemorrhagia	...	45	45	12	17	16	...	...	59
Sterility Menopause	4	227	231	9	82	139	...	1	440
Other functional diseases ...	...	5	5	2	2	1	...	...	111
Abortion ...	1	41	42	15	19	7	...	1	116
Ectopic gestation ...	1	15	16	13	2	1	...	...	6
Pregnancy & others ...	...	15	15	5	7	3	...	...	363
Grand Total ...	24	645	669	200	200	250	4	15	2,507

APPENDIX No. 12.

Classification of Operations performed in the Surgical Department during the year 1947.

Nature of Operation.	IN-PATIENTS.										Out-door patients operated on.
		No. of Operations.				Results.				Remained under treatment.	
	Remaining as per last report.	Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged otherwise.	Died.		
Operations on the regions of the body.											
Incision.											
Incision abscess pyaemic	...	14	3	17	14	7	6	...	1	...	...
Aspiration abscess pyaemic	...	1	1	2	1	1	...	...	...	...	4
Incision abscess scalp	...	3	2	5	3	1	...	1	1	...	2
Aspiration abscess scalp	...	1	1	2	1	...	1	...	...	...	1
Exploration wound neck	...	1	1	2	1	...	1	...	...	...	...
Incision abscess neck	...	1	...	1	1	1	...	1	...	...	13
Aspiration abscess neck	...	1	...	1	1	...	...	...	...	...	2
Removal of foreign bodies neck	...	2	...	2	2	2	...	...	...	...	...
Incision and packing of wound neck	...	1	...	1	1	1	...	...	...	...	...
Incision and abscess thorax	...	4	...	4	4	3	1	...	...	...	...
Exploration thoracic wall	1	1	...	1	1	2	...	...	...	...	...
Removal of foreign bodies, thoracic wall	...	2	...	2	2	1	1	...	...	...	...
Incision abscess shoulder	...	1	...	1	1	...	1	...	...	...	12
Removal of foreign bodies, shoulder	...	1	1	2	1	...	...	...	...	1	...
Aspiration cold abscess (back)	...	1	...	1	1	...	...	1	...	...	...
Aspiration abscess shoulder	...	1	...	1	1	...	...	1	...	...	1
Incision abscess scapular region	...	3	1	4	3	1	1	1	...	...	...
Aspiration abscess scapular region	...	1	1	2	1	...	1	...	...	...	...
Incision abscess buttock and hip	...	1	...	1	1	...	1	...	...	...	2
Removal of foreign bodies, buttock and hip	...	2	...	2	2	2	...	...	...	...	...
Incision abscess axilla	...	9	...	9	9	2	7	...	...	...	18
Exploration abscess groin	...	1	...	1	1	...	1	...	...	...	...
Incision abscess groin	...	3	...	3	3	...	3	...	...	...	32
Incision abscess popliteal space	...	1	...	1	1	1	...	...	...	...	...
Incision abscess perineum	...	2	...	2	2	...	1	1	...	...	10
Incision abscess arm	...	1	...	1	1	1	...	...	...	...	18
Removal of foreign bodies, arm	...	3	...	3	3	2	1	...	...	...	2
Removal of foreign bodies elbow	...	1	...	1	1	1	...	...	...	...	...
Removal of foreign bodies, forearm	...	2	...	2	2	...	2	...	...	...	10
Incision abscess palm	4	18	1	19	18	6	15	1	...	...	25
Exploration foreign bodies, palm	...	2	...	2	2	2	...	...	...	...	29
Aspiration abscess palm	...	1	...	1	1	...	...	1	...	...	2
Exploration foreign bodies thigh	...	3	3	6	3	1	2	...	...	...	20
Removal of foreign bodies, knee	...	1	...	1	1	...	...	1	...	...	2
Exploration of foreign bodies Leg	...	2	...	2	2	1	1	...	...	...	18
Incision abscess ankle	...	2	...	2	2	...	1	...	...	1	17
Excision.											
Excision Dermoid Partial	...	1	...	1	1	1	...	...	...	...	...
Biopsy—Neck	...	1	...	1	1	...	...	1	...	...	2
Excision fibrosarcoma thigh	...	1	...	1	1	...	1	...	...	...	...
Biopsy (Fibrosarcoma) thigh	...	1	...	1	1	1	...	...	...	...	3
Excision neurofibroma leg	...	...	1	1	...	...	...	...	...	...	...
Biopsy—Ankle	...	1	...	1	1	...	...	1	...	...	...
Excision granloma heel	...	1	...	1	1	...	1	...	...	...	...
Excision granuloma foot	...	1	...	1	1	...	1	...	...	...	...
Scraping osteomyelitis foot	...	1	...	1	1	...	1	...	...	...	10
Biopsy foot	...	1	...	1	1	...	1	...	...	...	2
Aspiration for diagnosis foot	...	...	...	...	...	...	...	...	...	...	2
Repairs.											
Pedicle graft scapula	...	...	2	2	...	...	...	...	...	...	...
Pedicle graft hand	1	5	3	8	5	4	...	1	...	1	...
Pedicle graft fingers	...	1	...	1	1	...	1	...	...	...	...
Plastic operations on fingers	...	2	...	2	2	...	2	...	...	...	...
Skin graft thigh	...	...	1	1	...	...	...	...	...	...	...
Pedicle graft heel	...	...	3	3	...	...	...	...	...	...	...
Destruction.											
Destruction by fulguration fingers	...	...	1	1	...	...	...	...	...	...	...
Debridement—fingers	...	2	...	2	2	...	1	1	...	...	41
Debridement—Foot	...	1	...	1	1	...	1	...	...	...	8
Suture.											
Suturing multiple wounds, whole body	...	3	...	3	3	2	...	...	1	...	...
Resuturing multiple wounds whole body	...	...	1	1	...	...	...	...	...	...	...
Debridement and suture wound occipital region	...	1	...	1	1	...	1	...	...	...	...
Debridement and suture wounds scalp	3	125	...	125	125	52	59	10	4	3	10
Re-suturing wounds scalp	...	...	1	1	...	...	...	...	...	...	2
Debride and suture wounds, face	...	9	...	9	9	3	6	...	...	...	10
Debride and suture wounds cheek	...	4	...	4	4	2	1	...	...	1	25
Debriding and suture wounds chin	...	2	...	2	2	1	...	...	...	1	10
Debriding and suture wounds neck	...	5	...	5	5	4	1	...	...	...	...
Debriding and suture wounds thorax	2	20	...	20	20	12	8	...	1	1	...
Resuturing wounds thorax	...	...	1	1	...	...	...	...	...	...	...
Resuturing wounds neck	...	...	1	1	...	...	...	...	...	...	...
Debridement and suture wound neck	...	18	...	18	18	9	6	...	1	2	...
Debridement and suture wounds shoulder	...	3	...	3	3	1	2	...	...	...	20
Debridement and suture scapula	...	17	...	17	17	8	8	1	...	...	10
Debridement and suture buttock and hip	...	1	...	1	1	1	...	...	...	...	15

APPENDIX No. 12.—*Contd.*

Classification of operations performed in the Surgical Department during 1947 :—

Nature of Operation.	IN-PATIENTS.											Out-door patients operated on.
	Remaining as per last report.	No. of Operations.				Results.				Remained under treatment.		
		Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged otherwise	Died.			
Debirdement and suture arm ...	...	10	...	10	10	5	4	...	...	1	23	
Debridement and suture elbow ...	...	6	...	6	6	2	3	1	...	...	5	
Debridement and suture forearm ...	...	32	...	32	32	7	22	3	...	...	17	
Debridement and suture wrist ...	...	2	...	2	2	2	...	...	...	...	1	
Debridement and suture hand ...	2	78	...	78	78	21	48	9	2	...	36	
Resuturing wound hand ...	...	...	1	1	...	...	...	...	...	...	...	
Debridement and suturing wound fingers ...	...	7	...	7	7	2	3	2	...	...	74	
Debridement and suturing wound thumb ...	...	3	...	3	3	1	...	2	..	...	21	
Debridement and suturing wound palm ...	...	4	...	4	4	2	1	...	...	1	20	
Debridement and suturing wound thigh ...	...	29	...	29	29	4	23	1	...	1	10	
Resuturing wound thigh ...	...	...	2	2	...	...	...	...	...	...	...	
Debridement and suturing wound knee ...	...	2	...	2	2	...	...	2	...	...	6	
Debridement and suture wound leg ...	1	31	...	31	31	6	21	4	...	1	11	
Resuturing wound leg ...	...	...	2	2	...	...	...	...	...	...	3	
Debridement and suturing wound ankle ...	...	2	...	2	2	1	1	...	...	...	6	
Debridement and suturing wound hetal ...	...	3	..	3	3	2	1	...	...	...	25	
Debridement and suturing wound foot ...	...	21	...	21	21	4	11	4	1	5	35	
Debridement and suturing wound toe ...	...	5	...	5	5	1	4	...	...	...	27	
Debridement and suturing wound great toe ...	...	2	...	2	2	...	2	...	...	...	6	
Manipulation.												
Plastering thorax ...	...	...	2	2	...	...	...	...	...	...	...	
Plastering shoulder ...	...	1	...	1	1	...	1	1	...	...	...	
Plastering arm ...	...	...	3	3	...	...	...	...	...	...	...	
Plastering forearm ...	...	7	4	11	7	2	4	1	...	...	12	
Plastering hand ...	...	11	17	28	11	3	6	...	2	...	21	
Plastering fingers ...	...	...	1	1	...	...	...	...	...	...	1	
Plastering leg ...	3	45	64	109	45	14	22	11	...	1	34	
Plastering ankle ...	...	1	...	1	1	...	1	...	...	...	...	
Plastering foot ...	2	6	1	7	6	3	4	...	...	1	1	
Operations on the Skin and Subcutaneous Alyeolar Tissues.												
Incision.												
Exploration foreign bodies skin of buttocks ...	...	1	...	1	1	...	1	...	...	...	...	
Incision—skin of leg ...	...	3	...	3	3	1	1	...	...	1	...	
Incision carbuncles-neck ...	...	2	...	2	2	...	2	...	...	...	...	
Incision carbuncles back ...	...	12	...	12	12	5	7	...	...	...	...	
Incision carbuncles extremities ...	...	1	...	1	1	...	...	...	1	...	...	
Incision abscess aveolar tissues Generally ...	...	1	...	1	1	...	1	...	...	...	250	
Incision abscess of face ...	...	10	1	11	10	7	2	1	...	...	...	
Incision cellulitis of face ...	...	2	...	2	2	...	2	...	...	...	...	
Resuturing (abscess) of face ...	...	...	1	1	...	...	...	...	...	...	...	
Incision abscess neck ...	...	6	1	7	6	1	2	2	1	...	...	
Incision cellulitis neck ...	...	2	...	2	2	2	...	...	...	...	...	
Incision abscess back ...	...	6	1	7	6	1	5	...	...	...	24	
Aspiration abscess back ...	...	3	...	3	3	1	2	...	...	...	...	
Incision abscess arms and elbow ...	...	9	1	10	9	5	3	1	...	...	22	
Incision abscess forearm ...	...	4	...	4	4	...	4	...	...	...	3	
Incision cellulitis forearm ...	...	1	...	1	1	...	1	...	...	...	2	
Aspiration abscess forearm ...	...	1	...	1	1	...	1	...	...	...	2	
Incision abscess hand and fingers ...	...	13	...	13	13	4	8	...	1	...	628	
Exploration abscess thigh ...	...	2	...	2	2	...	1	...	1	...	...	
Incision abscess thigh ...	...	83	14	97	83	31	47	2	...	3	...	
Aspiration abscess thigh ...	...	10	2	12	10	4	5	1	...	...	1	
Incision abscess leg ...	6	49	4	53	49	29	18	3	...	5	184	
Incision cellulitis leg ...	...	3	...	3	3	...	3	...	...	...	12	
Aspiration abscess leg ...	...	1	...	1	1	...	1	...	...	...	11	
Incision abscess foot ...	3	46	4	50	46	11	34	1	2	1	303	
Incision cellulitis foot ...	...	6	...	6	6	1	3	...	1	1	3	
Excision.												
Excision haemangiome ...	...	2	...	2	2	2	...	...	...	...	...	
Excision lesion of skin ...	6	2	3	5	2	5	1	...	2	...	1	
Scraping lesion of skin ...	1	...	2	2	...	...	1	...	...	...	2	
Excision keloid neck and shoulder ...	...	1	...	1	1	...	1	...	...	...	...	
Local excision, skin arm and elbow ...	...	1	1	2	1	1	...	...	...	...	...	
Excision gangrenous perinium ...	...	...	1	1	...	...	...	...	...	...	...	
Local excision skin of penis ...	...	...	2	2	...	...	...	...	...	...	...	
Cauterization skin of penis ...	...	1	...	1	1	1	...	...	...	...	...	
Excision ganglion leg ...	...	1	...	1	1	...	1	...	...	...	...	
Biopsy skin of leg ...	...	2	...	2	2	...	1	1	...	...	1	
Excision keloid skin of foot ...	...	1	...	1	1	1	...	...	...	...	...	
Scraping keloid skin of foot ...	...	1	1	2	1	...	1	...	...	...	...	
Biopsy keloid skin of foot ...	...	1	...	1	1	...	...	1	...	...	...	
Excision sebacious glands ...	...	1	...	1	1	1	...	...	...	...	...	
Excision nail beds of toes ...	...	1	...	1	1	...	1	...	...	...	...	
Excision fibrosarcoma ...	...	1	...	1	1	...	1	...	...	...	...	
Excision lipoma back ...	...	1	...	1	1	...	1	...	...	...	...	
Excision lipoma shoulder ...	...	1	...	1	1	...	1	...	...	...	...	
Excision lipoma fibrosarcoma thigh and nodules ...	...	2	1	3	2	1	1	...	...	...	...	

APPEDIX No. 12.—*Contd.*

Classification of operations performed in the Surgical Department during 1947 :—

Nature of Operations.	IN-PATIENTS.											
	Remaining as per last report.	No. of Operations.				Results.				Remained under treatment	Out-door patients operated on
		Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged otherwise.	Died.		
Repairs.											
Skin-grafting ...	...	49	80	129	49	17	26	1	1	4	5
Operations on the breast.											
Incision.											
Incision abscess breast ...	...	30	4	34	30	15	14	1	...	...	35
Aspiration abscess breast ...	...	2	...	2	2	2	...	...	...	...	...
Excision.											
Mastectomy ...	...	2	...	2	2	...	1	...	...	...	...
Local excision of breast ...	...	7	...	7	7	5	1	...	...	1	...
Radical mastectomy ...	...	7	1	8	7	3	2	1	1	...	...
Biopsy breast ...	...	4	...	4	4	1	2	...	...	1	...
Repair											
Skin-grafting breast ...	...	1	...	1	1	1	...	...	...	...	...
Operations on the bones.											
Incision.											
Removal of sequestrum-frontal bone ...	...	1	...	1	1	1	...	...	...	...	...
Aspiration maxilla ...	...	1	...	1	1	1	...	...	...	...	...
Incision abscess mandible ...	...	6	...	6	6	2	4	...	...	...	...
Removal sequestrium ...	...	2	...	2	2	1	1	...	...	...	...
Aspiration osteomyelitis vertebrax ...	...	2	...	2	2	1	1	...	...	...	...
Exploration—Clavicle ...	...	1	...	1	1	1	...	...	...	...	...
Exploration clavicle rib ...	...	1	...	1	1	1	...	...	...	...	...
Removal sequestrum ...	...	4	...	4	4	1	2	1	...	...	...
Exploration sinus femur ...	...	1	...	1	1	1	...	...	...	...	...
Removal sequestrum tibia ...	...	8	1	9	8	1	7	...	...	...	...
Aspiration osteomyelitis tarsel ...	...	...	1	1	...	...	...	...		...	...
Osteotomy radius ...	...	1	...	1	1	...	...	1	...	...	...
Sequestrectomy ulna ...	...	1	...	1	1	...	...	1	...	...	...
Shortening of ulna ...	...	...	1	1	...	...	...	...	...	...	...
Sequestrectomy metacarpal bones ...	...	1	...	1	1	...	1	...	...	...	...
Sequestrectomy femur ...	...	1	...	1	1	...	1	...	...	...	...
Osteotomy femur ...	7	18	8	26	18	2	6	14	...	3	1
Osteotomy tibia ...	2	3	...	3	3	...	4	1	...	...	...
Incision osteomuelitis tibia ...	...	1	...	1	1	...	...	1	...	...	...
Excision.											
Local excision of lesion of mandible ...	...	1	...	1	1	...	...	1	...	...	...
Scraping osteomyelitis of mandible ...	...	3	...	3	3	1	1	...	1	...	...
Excision bone maxilla ...	...	...	1	1	...	...	...	...	...	...	...
Biopsy bone maxilla ...	...	...	1	1	...	...	...	...	...	...	...
Resection rib ...	1	10	8	18	10	4	5	2	...	...	...
Scraping ulcer rib ...	...	1	...	1	1	1	...	...	...	...	...
Excision osteochondrous tib ...	...	1	...	1	1	1		...	...	...	...
Scraping osteomyelitis pubic bone	...	1	...	1	1	...	1	...	...	...	...
Scraping osteomyelitis humerus ...	...	4	1	5	4	1	...	3	...	...	...
Excision giant cell tumour ...	...	1	...	1	1	...	1	...	...	...	...
Excision metacarpal bones ...	...	1	...	1	1	...	1	...		...	...
Scraping osteomyelitis femur ...	...	2	...	2	2	1	1	...	...	...	...
Excision patella ...	...	1	6	2	8	6	4	2	1	...	...
Excision osteochondrom tibia ...	...	...	...	1	1	...	1	...	...	...	...
Local excision lesion of tibia ...	...	1	...	1	1	1	...	...	...	...	...
Scraping osteomyelitis tibia ...	...	1	...	1	1	...	1	...	...	...	...
Saucerization tibia ...	...	1	...	1	1	1	...	...	...	...	...
Excision giant cell tumour fibula ...	...	1	...	1	1	...	1	...	...	...	...
Local excision lesion of calcaneous bones ...	...	...	2	2	...	...	...	...	...	...	...
Scraping osteomyelitis of calcaneous bones ...	...	5	...	5	5	1	3	1	...	...	1
Astragatectomy ...	...	1	...	1	1	...	1	...	...	...	...
Scraping osteomyelitis metartasal bones ...	...	5	...	5	5	...	4	1	..	...	...
Introduction.											
Wiring mandible ...	...	2	...	2	2	...	...	1	1	...	...
Wiring femur ...	1	6	1	7	6	...	4	2	1	...	...
Passing metal pin femur ...	...	6	3	9	6	...	3	2	...	1	...
Passing metal pin tibia ...	1	8	2	10	8	1	2	5	1	...	...
Repairs.											
Bone graft-mandible ...	...	1	...	1	1	...	...	1	...	...	...
Open reductions—Fracture humerus ...	...	1	1	2	1	...	1	...	...	...	...
Open reductions—Fracture radius ...	...	2	1	3	2	...	2	...	...	...	...
Open reductions with metal plates—Fracture ulna ...	...	1	...	1	1	...	...	...	...	...	...
Pedicle graft—Ulna ...	1	1	...	1	1	...	2	...	...	...	...
Open reduction metacarpal ...	1	4	...	4	4	1	2	2	...	...	...
Open reduction fracture femur ...	...	2	...	2	2	1	1	...	...	...	...

APPENDIX No. 12.—*Contd.*

Classification of operations performed in the Surgical Department during 1947 :—

Nature of Operations.	IN-PATIENTS.										
	No. of Operations.				Results				Remain-under treat-ment.	Out-door patients operated on.
	Remained as per last report.	Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged otherwise.	Died.		
Pedicle graft patella ...	...	...	1	1	...	...	...		...	...	...
Open reduction feacture patella ...	...		1	1	...	...	...	...	...	...	...
Bone graft tibia ...	...	...	1	1	...	...	...	...	...	...	...
Open reduction fracture tibia ...	...	1	...	1	1	1	...	...	...	...	...
Open reduction fracture readius and ulna ...	...	3	...	3	3	...	2	1	...	...	...
Open reduction fracture tibia and fibula ...	...	...	1	1	...	...	...	...	...	...	...
Debridement.											
Debridement fracture femur ...	...	7	...	7	7	...	7	...	...	...	...
Osteoclasis fracture radius and ulna ...	...	...	1	1	..	...	...	...	...	...	...
Plastering mandible ...	...	...	1	1	...	...	...	...	...	...	...
Manipulation bones of vertebra ...	...	...	...	...	...	...	...	...	...	...	2
Plastering bones of vertebra ...	1	11	4	15	11	1	5	5	...	...	...
Manipulation cervical vertebra ...	...	...	...	...	...	...	...	...	...	...	2
Plastering cervical vertebra ...	...	12	1	13	12	1	6	3	1	1	16
Plastering dorsal vertebra ...	...	9	2	11	9	...	2	6	...	1	14
Manipulation lumber vertebra ...	1	5	...	5	5	...	4	2	...	...	2
Plastering lumber vertebra ...	...	34	9	43	34	2	19	10	3	...	16
Plastering clavicle ...	...	4	...	4	4	1	2	1	...	...	...
Plastering humerus ...	2	19	6	25	19	3	11	7	...	...	...
Reduction fracture humerus ...	1	43	5	48	43	11	19	11	2	1	1
Plastering fracture radius ...	...	1	1	2	1	...	1	...	...	...	23
Reduction fracture radius ...	...	2	...	2	2	...	2	...	...	...	1
Reduction fracture ...	...	3	1	4	3	2	...	1	...	...	...
Plastering fracture metacarpal bones and phalanges ...	1	15	...	15	15	3	8	4	...	1	23
Reduction fracture metacarpal bones and phalanges ...	...	2	1	3	2	...	1	1	...	...	...
Manipulation feacture femur ...	...	1	1	2	1	...	...	1	...	...	...
Plastering fracture femur ...	4	46	85	131	50	12	15	15	1	7	14
Reduction fracture femur ...	3	8	...	8	8	4	2	4	1	...	1
Plastering fracture patella ...	2	1	7	8	1	1	1	2	...	...	...
Plastering tibia ...	1	15	14	29	15	5	6	4	...	1	31
Reduction tibia ...	...	9	...	9	9	1	7	1	...	...	...
Plastering fracture fibula ...	...	2	...	2	2	1	...	1	...	...	...
Plastering fracture tarsal bones ...	...	2	...	2	2	...	2	...	...	...	6
Reduction fracture tarsal bones ...	...	2	...	2	2	...	1	1	...	...	...
Plastering metatarsal bones ...	...	9	...	9	9	1	5	3	...	...	16
Reduction tracture metatarsal bones ...	...	2	...	2	2	...	2	...	...	...	...
Plastering fracture radius and ulna ...	...	20	10	30	20	3	12	5	...	...	45
Reduction fracture radius and ulna ...	...	53	8	61	53	8	21	20	1	3	85
Plastering fracture tibia and fibula ...	...	68	9	77	68	13	23	30	2	...	28
Reduction fracture tibia and fibula ...	4	73	12	85	73	11	31	35	...	...	5
Operations on joints.											
Incision.											
Aspiration shoulder joint ...	...	1	...	1	1	...	...	1	...	...	...
Osteotomy wrist joint ...	...	1	...	1	1	1	...	...	...	...	...
Capsulotomy hip joint ...	...	1	2	3	1	...	...	1	...	...	...
Incision pyoarthrosis knee joint ...	...	...	1	1	...	...	...	...	...	...	...
Removal loose bodies knee joint ...	...	1	1	2	1	...	...	1	...	...	...
Incision abscess ankle joint ...	...	1	...	1	1	1	...	...	...	...	...
Excision.											
Excision cartileges elbow joint radius ...	...	3	...	3	3	1	...	1	...	1	...
Synovectomy hip joints ...	...	1	...	1	1	1	...	...	...	...	...
Removal chondroma knee joint ...	..	1	...	1	1	...	1	...	...	...	...
Aspiration knee joint ...	...	16	11	27	16	2	6	6	...	2	2
Repair.											
Spinal arthrodesis ...	...	...	1	1	...	...	...	...	...	...	...
Bonegrafting shoulder joint ...	...	1	...	1	1	1	...	...	...	...	...
Arthroplasty elbow joint ...	1	3	...	3	3	2	2	...	...	...	...
Open reduction dislocation finger joint ...	...	3	...	3	3	3	...	...	...	...	..
Pedicle grafting hip joint ...	...	1	...	1	1	...	...	...	...	1	...
Pseudo-orthesis hip joint ...	1	3	...	3	3	...	3	1	...	...	...
Correction deformity knee joint ...	...	1	...	1	1	...	...	...	...	1	...
Arthodisis knee joint ...	1	1	1	2	1	1	1	...	...	...	...
Arthrodisis ankle joint ...	...	1	1	2	1	...	1	...	...	...	...
Arthrodisis joints of foot toes ...	1	1	...	1	1	...	1	1	...	...	...
Suture											
Debridement and suture elbow joint ...	...	1	...	1	1	...	...	1	...	...	...
Debridement and suture wrist joint ...	...	1	...	1	1	...	...	...	...	1	...
Debridement and suture knee joint ...	...	10	...	10	10	4	2	3	...	1	...
Debridement and suture ankle joint ...	...	1	...	1	1	1	...	...	...	...	...
Manipulation.											
Plastering vertebral joints ...	...	6	2	8	6	...	3	3	...	...	3
Manipulation shoulder joint ...	...	1	...	1	1	...	1	...	...	...	4
Plastering shoulder joint ...	...	2	1	3	2	...	2	...	...	...	...
Reduction dislocation shoulder joint ...	...	4	...	4	4	2	1	1	...	...	5

APPENDIX No. 12.—*Contd.*

Classification of operations performed in the Surgical Department during 1947 :—

Nature of Operations.	IN-PATIENTS											
		No. of Operations.				Results.					
	Remaining as per last report.	Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved	Discharged otherwise.	Died.	Remained under treatment.	Out-door patients operated on.
Plastering elbow	...	1	1	2	1	...	1	...	...	...	2
Reduction dislocation elbow	...	3	2	5	3	1	2	...	...	...	1
Manipulation wrist joint	...	...	...	...	...	...	...	...	...	...	2
Plastering wrist joint	...	1	...	1	1	...	1	...	...	...	...
Reduction dislocation wrist joint	...	...	...	...	...	...	...	...	...	...	1
Correction deformity fingers	...	...	1	1	...	...	...	...	...	...	...
Manipulation sacroiliac joint	...	1	...	1	1	...	...	1	...	...	...
Manipulation hip joint	...	1	...	1	1	...	...	1	...	...	...
Plastering hip joint	...	21	27	48	21	3	12	6	...	...	7
Reduction dislocation hip joint	...	4	1	5	4	2	...	2	...	...	...
Manipulation knee joint	...	1	...	1	1	...	1	...	...	...	...
Plastering knee joint	...	13	13	26	13	3	6	3	...	1	6
Manipulation ankle joint	...	2	...	2	2	...	2	...	...	...	6
Plastering ankle joint	...	1	2	3	1	...	1	...	...	...	1
Reduction dislocation ankle joint	...	1	...	1	1	...	...	1	...	...	...
Manipulation midtarsal joint	...	1	...	1	1	...	1	...	...	...	...
Plastering midtarsal joint	...	...	1	1	...	...	...	...	...	...	6
Operations on Bursaes.											
Excision.											
Excision bursa leg	...	1	...	1	1	1	...	...	...	...	...
Operations on musles.											
Incision.											
Tenotomy Muscle of hip	...	1	1	2	1	...	...	1	...	...	...
Incision abscess psoas	...	10	1	11	10	3	7	...	...	...	...
Aspiration abscess psoas	...	1	2	3	1	...	...	1	...	...	...
Excision.											
Section biopsy muscle thigh	...	1	...	1	1	...	...	1	...	...	...
Suture.											
Resuture supradiapharagmatic tear	...	...	1	1	...	...	...	...	...	...	...
Monipulation.											
Plastering muscle of hip	...	1	...	1	1	...	1	...	...	...	...
Operations on tendons, tendon sheaths and fascia.											
Ober's operation Tandoachilis foot and toe	...	1	...	1	1	...	...	1	...	...	...
Repoir.											
Lengthening tendon foot	...	1	...	1	1	...	...	1	...	...	...
Surture.											
Suturing tendon elbow	...	4	...	4	4	1	3	...	...	...	...
Suturing tendon wrist	...	1	...	1	1	...	...	...	...	1	...
Suturing tendon hand and fingers	...	4	...	4	4	1	3	...	...	...	...
Suturing tendon knee	...	1	...	1	1	...	1	...	...	...	...
Suturing tendon ankle	...	1	...	1	1	1	...	...	...	...	...
Suturing tendon foot and toes	...	1	...	1	1	...	1	...	...	...	...
Operations on the Extremities.											
Amputations.											
Amputation of arm, through humerus	...	2	9	1	10	9	5	2	3	1	...	...
Amputation of metacarpals and phalanger	...	1	19	2	21	19	2	10	8	...	...	5
Amputation of thighs	...	...	11	5	16	11	4	4	1	1	1	...
Amputation of knees	...	...	...	1	1	...	...	...	...	...	...	...
Amputation of toe	...	...	...	1	1	...	...	...	...	...	...	...
Amputation of fingers	...	...	8	...	8	8	2	3	3	...	...	5
Amputation of toe by disarticulation	...	1	10	3	13	10	4	4	3	...	...	...
Amputation of forearm	...	...	8	3	11	8	3	2	3	...	...	...
Amputation of leg	...	2	21	6	27	21	6	9	2	4	2	...
Operations on the nose.											
Excision.											
Excision nodule nose	...	...		1	1	...	...	...	...	...	...	...
Biopsy of nose	...	...	...	1	1	...	...	...	...	...	...	...
Repair.												
Rhinoplasty	...	...	1	2	3	1	1	...	...	...	...	...
Operations on the trachea and bronchi.												
Incision.												
Tracheotomy	...	...	2	1	3	2	2	...	...	...	...	...

APPENDIX No. 12—*Contd.*

Classification of operations performed in the Surgical Department during 1947 :—

Nature of Operations.	IN-PATIENTS.										
	No. of Operations.					Results.				Remained under treatment.	Out-door patients operaed on.
	Remaining as per last report.	Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged otherwise.	Died.		
Operations on the Lung and Pleura.											
Incision.											
Pneumonotomy	...	1	...	1	1	...	...	...	..	1	...
Incision abscess lung	...	1	...	1	1	...	...	...	1	...	...
Thoracotomy	...	1	...	1	1	1	...	...	...	...	...
Thoracotomy Exploratory	...	4	1	5	4	1	1	...	1	1	...
Incision and drainage empyema	...	3	...	3	3	...	...	1	2	...	...
Aspiration empyema	...	9	17	26	9	2	4	1	2	...	...
Excision											
Lobectomy partial	...	1	1	2	2	...	...	...	...	1	...
Lobectomy	...	1	...	1	1	...	...	...	1	...	...
Aspiration pleura	...	1	...	1	1	...	...	1	...	...	...
Operations on the Arteries and Veins.											
Excision.											
Embolectomy	...										
Incision	...	1	...	1	1	1	1	...	...	...	...
Resection Aneurysm	...	1	...	1	1	1	...	...	...	...	...
Ligature and excision poplateal aneurysm	...	1	...	1	1	1	...	...	...	...	...
Trendelenberg's operation	...	3	...	3	3	...	3	...	...	...	10
Suture.											
Resuture Artary	...	...	1	1	...	...	...	...	...	...	...
Operations on the Spleen.											
Excision.											
Splenectomy	...	5	...	5	5	3	...	...	2	...	...
Operations on the lymph nodes.											
Incision abscess cervical lymph nodes	...	2	...	2	2	1	...	...	1	...	...
Incision abscess axillary, lymph nodes	...	2	...	2	2	...	1	...	...	1	38
Incision abscess inguinal lymph nodes	...	14	1	15	14	8	5	...	...	1	23
Excision.											
Excision cervical lymph glands	...	2	10	...	10	10	5	5	2	...	...	...
Scraping sinus lymph glands	...	...	2	2	4	2	...	2	...	...	...	...
Biopsy cervical lymph glands	...	...	2	1	3	2	...	2	...	...	...	...
Section biopsy axillary glands	...	...	10	...	10	10	8	2	...	...	...	...
Biopsy axillary glands	...	...	6	1	7	6	1	1	4	...	...	...
Excision Inguinal	...	...	6	2	8	6	4	2	...	...	...	...
Scraping Inguinal glands	...	...	1	...	1	1	...	1	...	...	...	...
Biopsy Inguinal glands	...	...	...	2	2	...	...	...	...	...	...	...
Operations on the mouth.											
Incision.											
Incision Cancrum oris	...	...	1	...	1	1	...	...	1	...	...	...
Excision.											
Excision slough cancrum oris	...	...	1	...	1	1	...	1	...	...	...	...
Biopsy	...	...	...	1	1	...	...	...	...	...	...	...
Repair.											
Pedicle grafting	...	...		1	1	...	...	...	...	...	...	...
Operations on the lips.											
Repairs.											
Plastic repairs of harelip	...	1	11	2	13	11	5	5	2	...	...	...
Operations on the tongue.											
Excision.											
Excision papilloma tongue	...	...	1	...	1	1	1	...	...	...	...	...
Suture.											
Suture tongue	...	...	1	...	1	1	1	...	...	...	...	...
Operations on the teeth and gums.											
Incision.											
Incision abscess Alveolar	...	1	16	2	18	16	7	9	1	...	...	10
Aspiration abscess Alveolar	...	...	1	...	1	1	...	1	...	...	...	...
Incision abscess and gum	...	...	1	...	1	1	1	..	...	...	...	...

APPENDIX No. 12.—*Contd.*

Classification of operations performed in the Surgical Department during the year 1947 :—

Nature of Operations.	IN-PATIENTS.										
	No. of Operations.					Results.					
	Remaining as per last report.	Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged otherwise.	Died.	Remained under treatment.	Out door patients operated on.
Excision.											
Extraction of teeth ...	...	...	...	...	...	...	...	...	...	...	4,573
Operations on the palate and Uvula.											
Repairs.											
Plastic operation on palate ...	...	4	...	4	4	1	3	...	...	...	...
Suture.											
Ligature cleft palate ...	...	1	...	1	1	1	...	...	...	...	...
Operations on e salivary glands and ducts.											
Incision.											
Incision abscess parotid ...	...	18	4	22	18	7	8	...	1	2	1
Incision abscess submaxillary glands ...	...	1	...	1	1	...	1	...	...	...	...
Cauterization Kanala ...	...	1	...	1	1	...	1	...	...	...	...
Excision.											
Excision parotid tumour ...	...	6	...	6	6	1	3	1	...	1	...
Biopsy parottd tumour ...	...	1	...	1	1	...	1	...	...	...	...
Excision Ramula ...	...	2	...	2	2	2	...	...	...	...	...
Excision submaxillary glands ...	...	3	...	3	3	1	2	...	...	...	...
Suture.											
Closure salivary fistula ...	...	1	...	1	1	1	...	...	...	...	...
Operations on the Pharynx.											
Excision.											
Excision brachial cyst ...	...	...	...	1	1	...	1	...	...	...	...
Operations on the ocesophagus.											
Excision.											
Transthoracic oesophagectomy ...	...	...	1	1	...	...	...	...	...	...	...
Operations on the stomach.											
Excision.											
Partial gstrectomy ...	1	11		11	11	2	6	...	4	...	...
Repair.											
Gastrojejunostomy ...	1	30	2	32	30	12	13	1	3	2	...
Gastrostomy ...	...	1	1	2	1	...	...	...	...	1	...
Suture.											
Suture perf. gastric ulcer ...	...	2	...	2	2	...	...	1	1	...	...
Resuture perf. gastric ulcer ...	...	...	2	2	.	...	...	...	...	...	...
Operations on the Intestines.											
Excision.											
lemicolectomy ...	...	4	...	4	4	1	2	...	1	...	...
lectosigmoidectomy ...	...	...	1	1	...	...	...	...	...	...	...
nastomosis end to end ...	...	2	...	2	2	1	...	...	1	...	...
blectomy ...	...	1	...	1	1	...	1	...	...	...	...
Repair.											
iodenojejunostomy ...	...	1	...	1	1	1	...	...	...	...	...
duction Intersusception ...	...	3	...	3	3	...	2	...	1	...	...
ocolostomy ...	...	15	...	15	15	4	6	1	4	...	...
osignoidostomy ...	...	1	...	1	1	1	...	...	...	...	...
section enterostomy ...	...	...	1	1	...	...	...	...	...	...	...
lostomy ...	...	5	7	12	5	...	1	...	3	1	...
section Anastenosis ...	...	1	...	1	1	...	...	1	...	...	...
Suture.											
osure faecal fistula ...	...	1	...	1	1	...	1	...	...	...	...
osure colostomy ...	...	...	1	1	...	...	...	...	...	...	...
turing duodenal perforation ...	...	12	...	12	12	4	6	...	2	...	...
Operations on the Mesentery.											
Excision.											
xcision cyst measenteric	...	1	...	1	1	1	...	...	...	...	...

APPENDIX No. 12.—*Contd.*

Classification of operations performed in the Surgical Department during the year 1947:—

Nature of Operations.	IN-PATIENTS.											Out-door patients operated on.
	Remaining as per last report.	No. of Operations.				Results.				Remained under treatment.		
		Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged otherwise.	Died.			
Sutures.												
Suturing of mesentery ...	...	1	...	1	1	...	1	...	...	...	...	
Operations on the appendix.												
Incision.												
Incision and drainage of appendical abscess ...	1	6	...	6	6	2	3	...	1	1	...	
Excision.												
Appendectomy ...	1	121	1	122	121	92	22	1	5	2	...	
Operations on the rectum.												
Incision.												
Incision abscess rectum ...	...	1	...	1	1	...	1	...	...	...	...	
Cauterization prolapse rectum ...	...	1	...	1	1	...	1	...	...	...	...	
Incision abscess Ischio rectal ...	...	26	3	29	26	9	16	...	...	1	35	
Excision.												
Excision rectal growth ...	...	1	1	2	1	1	...	...	...	...	...	
Resection—Perineal ...	...	...	2	2	...	...	...	...	...	...	...	
Rectosigmoidectomy ...	...	2	...	2	2	2	...	...	...	...	...	
Endoscopy.												
Sigmoidoscopy ...	...	17	2	19	17	3	10	4	...	...	2	
Sigmoidoscopy with removal papilloma ...	...	1	...	1	1	1	...	...	...	...	...	
Proctoscopy ...	...	2	...	2	2	1	1	...	...	...	...	
Proctoscopy with excision rectal polyp ...	...	1	...	1	1	1	...	...	...	...	...	
Manipulation.												
Reduction prolapse rectum ...	...	5	1	6	5	2	2	1	...	...	...	
Dilatation rectum ...	...	1	1	2	1	...	...	1	...	...	...	
Operations on the anus.												
Incision.												
Incision imperforated anus ...	...	2	1	3	2	1	...	...	...	...	...	
Incision abscess perixmal ...	...	34	4	38	34	12	19	1	...1	2	85	
Excision.												
Fissurectomy ...	...	3	1	4	3	2	1	...	...	...	...	
Cauterization anus ...	...	1	...	1	1	1	...	...	...	...	...	
Biopsy fistula anus ...	...	2	...	2	2	...	...	21	...	...	...	
Ligature excision piles ...	...	64	6	70	64	37	25	...	1	...	...	
Introduction.												
Injection alcohol piles ...	...	5	6	11	5	...	3	2	...	...	739	
Sutures.												
Fistulectomy ...	3	80	15	95	80	37	39	4	1	2	...	
Operations on the liver.												
Incision.												
Incision abscess liver ...	...	11	1	12	11	4	4	...	2	1	...	
Aspiration abscess liver ...	...	4	3	7	4	2	1	...	1	...	...	
Excision.												
Biopsy liver ...	...	1	...	1	1	...	1	...	...	...	...	
Repair.												
Marsupialization hyadid cyst ...	...	1	...	1	1	...	1	...	...	...	...	
Suture.												
Suturing tear Liver ...	...	1	...	1	1	...	1	...	...	...	...	
Operations on the biliary tract.												
Incision.												
Choleystectomy ...	...	2	...	2	2	1	1	...	...	...	...	
Excesion choleys tomy ...	...	7	1	8	7	4	...	...	3	...	...	

APPENDIX No. 12.—*Contd.*

Classification of operations performed in the Surgical Department during the year 1947 :—

Nature of Operations.	IN-PATIENTS.											Out-door patients operated on.
	Remaining as per last report.	No. of Operations.				Results.				Remained under treatment.		
		Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged otherwise.	Died.			
Operations on the pancreas.												
Excision.												
Pancreatectomy ...	...	1	...	1	1	...	...	...	1	...		
Operations on the abdomen, peritoneum omentum.												
Incision.												
Incision abscess abdominal wall ...	...	21	1	22	21	11	7	...	2	1		...
Exploratory Laparotomy ...	14	230	6	236	230	85	39	8	104	8		...
Incision abscess pelvic peritoneum ...	...	1	...	1	1	...	1	...	...	...		...
Repair.												
Herniorrhaphy-Ventral hernia ...	...	2	1	3	2	2	...	...	...	...		...
Herniorrhaphy umbilical hernia ...	...	4	...	4	4	2	...	1	1	...		..
Herniorrhaphy inguinal hernia ...	4	153	3	156	153	123	29	2	2	1		...
Herniorrhaphy strangulated hernia Ingnial ...	1	64	...	64	64	39	14	1	6	5		...
Herniorrhaphy femoral hernia ...	...	1	...	1	1	...	1	...	...	...		...
Suture.												
Suturing abdominal walls ...	...	1	...	1	1	1	...	...	...	...		...
Resuturing wounds abdominal wall ...	...	...	11	11	...	...	...	...	...	...		...
Operations on the kidney.												
Incision.												
Nephroctomy ...	...	...	1	1	...	...	...	...	...	...		...
Nephrolithotomy ...	1	1	...	1	1	2	...	...	...	...		...
Pyelodithotomy ...	...	3	...	3	3	2	1	...	...	...		...
Excision.												
Nephrectomy ...	1	4	2	6	4	4	...	...	1	...		...
Biopsy of the kidney ...	...	...	1	1	...	...	...	...	...	...		...
Rousey's puncture ...	...	1	...	1	1	...	1	...	...	...		...
Operations on the Ureter.												
Incision.												
Ureterotomy ...	...	1	...	1	1	1	...	...	...	...		...
Ureterolithotomy ...	...	1	3	4	1	1	...	...	...	...		...
Repair.												
Transplantation of the ureter ...	...	1	4	5	1	1	...	...	...	...		...
Operations on the bladder.												
Incision.												
Cystotomy with exploration	...	...	1	1	...	...	...	...	...	...		...
Cystostomy ...	4	40	12	52	40	22	12	2	5	3		...
Cystolilithotomy ...	...	28	2	30	28	20	5	2	1	...		..
Incision extravessatation of urine ...	...	1	...	1	1	...	...	...	1	...		...
Endoscopy.												
Cystoscopy ...	...	56	12	68	56	10	28	14	3	1		...
Pyelography ...	...	3	1	4	3	...	2	...	...	1		...
Destruction.												
Lithotrity ...	...	5	...	5	5	2	3	...	...	...		...
Operations on the Urethra.												
Incision.												
Urethrotomy external ...	...	8	2	10	8	3	4	...	1	...		...
Removal calculi urethra ...	...	1	...	1	1	1	...	...	...	...		...
Meatotomy ...	...	2	...	2	2	1	1	...	...	...		23
Incision periurethral abscess ...	...	4	...	4	4	2	2	...	...	...		4
Endoscopy.												
Insertion of catheter. (Sounding) ...	...	6	2	8	6	2	...	3	...	1		179
Repair.												
Repair hypospadius	...	2	2	4	2	1	1	...	...	...		...
Suture.												
Resuturing of urethra ...	...	...	1	1	...	...	...	...	...	...		...
Manipulation.												
Dilatation urethra ...	...	23	62	85	23	7	12	3	...	1		379

APPENDIX No. 12.—*Contd.*

Classification of operations performed in the Surgical Department during the year 1947 :—

Nature of Operations.	IN-PATIENTS.											Out-door patients operated on.
	Remaining as per last report.	No. of Operations.				Results.				Remained under treatment.		
		Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged otherwise.	Died.			
Operations on the penis.												
Incision.												
Multiple incision phagodema	...	1	...	1	1	...	1	...	...	...	...	
Incision abscess penis	...	...	1	1	...	...	...	...	...	...	...	
Dorsal slitting	...	7	1	8	7	2	2	1	..	2	148	
Excision.												
Amputation penis	...	3	1	4	3	3	...	...	...	...	...	
Excision filarial penis	...	...	1	1	...	...	...	...	...	...	...	
Partial amputation penis	...	1	...	1	1	...	1	...	...	...	...	
Radical amputation penis	...	2	...	2	2	2	...	...	...	...	...	
Biopsy penis	...	1	1	2	1	1	...	...	...	...	1	
Circumcision	...	11	6	17	11	8	3	...	...	...	259	
Repairs.												
Repair hypospadin	...	4	1	5	4	1	2	.....	...	1	...	
Pedicle grafting	...	1	...	1	1	...	...	1	...	...	...	
Reduction paraphimosis	...	1	...	1	1	1	...	...	...	...	...	
Operations on the Testis.												
Incision.												
Aspiration testicular swelling	...	2	...	2	2	1	1	...	...	...	...	
Excision.												
Orchidectomy	...	5	3	8	5	3	3	...	...	...	...	
Repair.												
Orchidopexy	...	4	1	5	4	4	...	...	...	...	...	
Operations on the Epididymis.												
Excision.												
Excision epididymal cyst	...	2	...	2	2	1	1	...	...	...	...	
Epididymectomy	...	2	...	2	2	1	1	...	...	...	...	
Operations on the Tunica Vaginalis.												
Incision.												
Aspiration hydrocele	...	1	...	1	1	...	1	...	...	...	...	
Incision pyocele	...	29	6	35	29	9	18	1	1	...	37	
Tapping hydrocele	...	6	3	9	6	1	4	2	...	...	629	
Excision.												
Radical cure hydrocele	...	162	3	165	162	131	33	5	...	...	...	
Suture.												
Resuturing pyocele	...	...	2	2	...	...	..	...	...	...	...	
Operations on the scrotum.												
Incision.												
Aspiration swelling scrotum	...	1	...	1	1	...	1	...	...	...	...	
Exploration sinus scrotum	...	...	1	1	...	...	...	...	...	...	...	
Incision abscess scrotum	...	17	4	21	17	3	13	...	1	...	55	
Aspiration Hematoma scrotum	...	...	1	1	...	...	...	...	...	...	...	
Excision.												
Excision filarial scrotum	...	7	...	7	7	2	4	...	...	1	...	
Resection scrotum	...	...	1	1	...	...	...	..	...	..	...	
Suture.												
Debridement and suture wound scrotum	...	3	...	3	3	2	1	...	...	...	...	
Secondary suturing wound scrotum	...	...	1	1	...	...	...	...	...	...	...	
Operations on the Vase Deferens.												
Excision.												
Vasectomy	...	3	1	4	3	2	...	...	...	1	3	
Suture.												
Ligation vas	...	1	...	1	1	...	1	...	...	...	...	
Operations on the Spermatic Cord.												
Incision.												
Incision spermatic cord	...	1	...	1	1	1	...	...	...	...	...	

APPENDIX No. 12.—*Contd.*

Classification of operations performed in the Surgical Department during 1947:—

Nature of Operation.	IN-PATIENTS.										Out-door patients operated on.
	Remaining as per last report.	No. of Operations.				Results.				Remained under treatment	
		Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged Otherwise.	Died.		
Operations on the Prostate.											
Incision.											
Incision abscess Prostate ...	...	2	...	2	2	...	2	...	...	...	...
Excision.											
Prostatectomy ...	...	15	16	31	15	5	8	...	1	1	...
Operations on the Uterus.											
Incision.											
Hysterotomy ...	...	1	...	1	1	1	...	...	...	...	...
Excision.											
Hysterectomy Abdominal ...	...	...	1	1	...	...	...	...	...	...	...
Partial excision of cervix ...	...	1	...	1	1	1	...	...	...	...	...
Operations on the ovary.											
Incision.											
Drainage of ovarian cyst ...	...	1	...	1	1	...	1	...	...	...	...
Operations on the Thyroid glands.											
Excision.											
Excision Adenoma Thyroid ...	...	6	...	6	6	4	2	...	...	...	...
Thyroidectomy total ...	...	1	...	1	1	1	...	...	...	...	...
Thyroidectomy partial ...	1	5	...	5	5	4	2	...	...	...	...
Excision Thyrogolossal Cyst ...	...	2	...	2	2	2	...	...	...	...	...
Operations on the Structures overlying the Menenges, Brain and Spinal Cord.											
Incision.											
Exploratory Craminotomy ...	...	4	3	7	4	...	...	...	4	...	...
Decompression ...	...	2	...	2	2	...	1	...	1	...	...
Excision.											
Laminectomy ...	1	3	1	4	3	1	1	1	...	1	...
Repairs.											
Eelevation Fracture Skull ...	1	29	2	31	29	16	5	2	7	...	...
Destruction.											
Debridement Compound Fracture Skull ...	...	1	...	1	1	...	...	1	...	...	...
Operations on the Menenges and Menengeal Vessels.											
Excision.											
Excision Hemangiocele ...	...	1	..	1	1	...	1	..	...	...	...
Excision Meningeocele ...	...	1	...	1	1	...	...	...	1	...	...
Introduction.											
Encephalography ...	...	2	...	2	2	...	1	...	1	...	...
Incision.											
Spino Manomatory ...	...	6	...	6	6	...		4	...	1	2
Suture.											
Legation middle Menengeal artery ...	...	1	..	1	1	...	...	...	1	...	...
Operations on the Peripheral nerves cerebral nerves and Ganglia.											
Excision.											
Phrenic avulsion ...	..	4	1	5	4	...	...	3	1	...	...
Introduction.											
Injection Ganglia ...	...	1	...	1	1	1	...	...	...	...	..
Destruction.											
Peripheral nerve crushing ...	...	1	...	1	1	...	1	...	...	...	...
Nurolysis ...	...	1	...	1	1	...	1	...		...	...
Suture.											
Debridement and Suturing Medium Nerve ...	...	3	...	3	3	1	1	1	...	...	...
Suturing Ulner Nerve ...	1	1	...	1	1	...	2	...	...	...	...
Operations on the Vegetative Nervous System.											
Lumber Sympathectomy ...	...	2	4	6	2	...	1	...	1	...	...
Total ...	128	3,584	872	4,456	3,584	1,435	1,472	444	240	121	9,917

APPENDIX No. 13.

Classification of Operations performed in the Gynaecological Department during the year 1947.

Nature of Operation.	Remaining as per last report.	Principal.	Secondary.	Total.	No. of patients operated on.	Cured.	Relieved.	Discharged Otherwise.	Died.	Remained under treatment.
Operations on the abdomen, peritoneum and omentum—										
Incision.										
Laparatomy exploratory ...	1	3	...	3	3	...	...	3	1	...
Repairs.										
Repair ventral hernia ...	...	1	...	1	1	...	...	...	1	...
Operations on the perineum.										
Repairs—										
Perineoplasty ...	...	2	...	2	2	1	1	...	...	...
Suture—										
Perineorrhaphy ...	...	3	...	3		1	...	...	...	2
Closure of perineal fistula ...	...	1	...	1	1	1	...	...	...	...
Operations on the appendix.										
Excision—										
Appendectomy ...	...	1	...	1	1	1	...	...	...	...
Operations on the intestines.										
Repairs—										
Ileocleostomy ...	...	1	...	1	1	...	...	...	1	..
Operations on the vagina.										
Incision—										
Exploratory colpotomy ...	...	1	...	1	1	...	1	...	...	...
Excision—										
Colpectomy ...	...	2	...	2	2	2	...	...	...	...
Colpectomy partial ...	...	3	...	3	3	2	1	...	...	...
Biopsy of vagina ...	...	1	...	1	1	...	1	...	...	1
Repairs—										
Colpoplasty ...	...	4	...	4	4	2	1	1	...	...
Colpopla stywith colpo-pecincoplasty ...	1	3	...	3	3	3	1	...	...	...
Colpoplasty and trachelectomy ...	...	9	1	10	9	6	3	...	...	...
Colpoperineoplasty ...	...	3	...	3	3	2	1	...	...	...
Suture—										
Closure of vesico-vaginal fistula ...	2	7	...	7	7	6	1	1	...	1
Closure of recto-vaginal fistula with colpolasty ...	...	1	...	1	1	1	...	...	...	...
Colporrhaphy ...	...	1	...	1	1	...	1	...	...	...
Operations on the uterus and cervix uteri.										
Excision—										
Hysteromylmectomy ..	...	6	1	7	6	4	1	...	1	...
Hysteromyomectomy with V. S. ...	...	2	...	2	2	1	...	...	1	...
Panhysterectomy ...	2	18	...	18	18	15	5	...	...	...
Panhysterectomy with cophorectomy ...	...	1	...	1	1	1	...	...	...	...
Panhysterectomy vaginal ...	...	13	...	13	13	11	1	...	...	1
Panhysterectomy vaginal with colpoplasty ...	...	1	...	1	1	...	1	...	...	...
Supracervical hysterectomy ...	...	28	...	28	28	24	1	...	3	...
Supracervical hysterectomy with appendectomy ...	...	2	...	2	2	2	...	...	...	...
Supracervical hysterectomy vaginal ...	...	8	...	8	8	6	2	...	...	...

APPENDIX No. 13—(*contd.*)

Classification of Operations performed in the Gynaecological Department during the year 1947.

Nature of Operation.	Remaining as per last report.	Principal.	Secondary.	Total.	No. of patients operated on.	Cured.	Relieved.	Discharged Otherwise.	Died.	Remained under treatment.
Radical hysterectomy (Werthern's operations)—	...	1	...	1	1	...	...	...	1	...
Local excision of lesion of cervix	...	1	...	1	1	...	...	1	...	...
Trachalectomy cervicetomy amputation of cervix	...	6	...	6	6	4	...	1	...	1
Partial excision of cervix	...	1	...	1	1	...	1	...	...	...
Biopsy cervix	...	...	2	2	...	...	...	...	...	...
Diagnostic dilatation and curettege	2	198	2	200	198	28	51	120	...	1
Pantystero Salpingo oopherecetomy Vaginal	...	1	...	1	1	1	...	...	...	...
Introduction—										
Insertion radium into uterus	...	2	...	2	2	...	1	1	...	...
Repairs—										
Hysteropoxy with centro-suspension. ventrifixation	4	18	1	19	18	9	7	6	...	...
Do. with appendicetomy	...	7	...	7	7	5	1	1	...	...
Do. with D & C	...	8	...	8	8	2	1	5	...	...
Hysteropexy with shortening and suture of endopelvic fasciae	...	3	...	3	3	2	1	...	...	...
Suture—										
Resuturning uterus	...	...	1	1	...	...	...	...	...	...
Operations on the Vulva.										
Incision—										
Incision abscess vulva	1	...	...	...	...	...	1	...	...	...
Hymenotomy	...	1	...	1	1	1	...	...	...	...
Incision and drainage Bartholin's abscess	...	1	...	1	1	1	...	...	...	...
Excision										
Complete vulvectomy	...	1	...	1	1	1	...	...	...	...
Punch biopsy—Vulva	...	...	1	1	...	...	...	...	...	...
Excision growth vulva	...	...	1	1	...	...	...	...	...	...
Operations on the Oviduct	...	2	...	2	2	2	...	...	...	...
Salpingo oophorectomy	...	7	...	7	7	4	2	...	...	1
Salpingo oophorectomy with appendicectomy	...	1	...	1	1	1	...	...	...	...
Salpingo oopherectomy with V. S.	...	1	...	1	1	1	...	...	...	...
Salpingo oophorectomy with salingectomy complete and V. S.	...	1	...	1	1	...	...	1	...	...
Salpingectomy	...	1	...	1	1	1	...	...	...	...
Salpingectomy complete	...	5	...	5	5	3	1	1	...	...
Salpingectomy complete with appendectomy	...	1	...	1	1	...	...	...	...	1
Salpingectomy complete with V. S.	...	1	...	1	1	...	...	1	...	...
Salpingectomy complete with V. S. and appendectomy	...	1	...	1	1	1	...	...	...	...
Salpingectomy complete vaginal	...	1	...	1	1	1	...	...	...	...
Salpingectomy complete vaginal with V. S.	...	1	...	1	1	1	...	...	...	...
Salpingectomy partial	1	...	...	...	...	1	...	...	...	...
Repairs—										
Salpingoplasty	...	1	...	1	1	...	...	1	...	...
Salpingostomy	1	...	...	...	...	...	1	...	...	...

APPENDIX No. 13.—Concld.

Classification of operations performed in the Gynaecological Department during the year 1947.

Nature of Operation.	Remaining as per last report.	Principal.	Secondary.	Total.	No. of patients operated on.	Cured.	Relieved.	Discharged Otherwise.	Died.	Remained under treatment
Salpingostomy with V. S. ...	...	1	...	1	1	...	...	1	...	...
Salpingostomy with suture and V. S. ...	...	1	...	1	1	...	...	1	...	...
Operations on the ovary.										
Excision—										
Oopherectomy ...	...	7	...	7	7	5	2	...	...	...
Oopehrectomy with complete salpingectomy ...	...	1	...	1	1	...	1	...	...	...
Local excision of lesion of ovary ...	...	1	...	1	1	1	...	...	...	...
Oophorectomy complete ...	...	8	...	8	8	7	1	...	...	...
Oophorectomy complete with panhysterectomy complete ...	...	1	...	1	1	1	...	...	...	...
Oophorectomy with suptacervical hysterectomy and appendictomy ...	...	1	...	1	1	1	...	...	...	...
Oophorectomy commplete withV.S. ...	...	1	...	1	1	1	...	...	...	...
Oophorectomy complete with V. S. and complete salpingectomy ...	...	1	...	1	1	1	...	...	...	...
Bilateral complete cophorectomy ...	...	1	...	1	1	1	...	...	...	...
Operations on the ureter.										
Repairs—										
Ureterocolostomy ...	...	1	3	4	1	1	...	...	...	...
Uretero-sigmoidostomy ...	...	1	3	4	1	1	...	...	...	...
Operations on the urethra.										
Excision—										
Excision of lesion of urethra ...	...	1	...	1	1	1	...	...	...	...
Operations on the subcutaneous tissues										
Incision abscess gluteal ...	1	...	1	1	...	...	1	...	...	...
Total ...	16	426	16	442	426	183	95	147	9	8

APPENDIX No. 14.

Classification of Operations performed in the Ophthalmic Department during the year 1947.

Nature of Operation.	Remaining as per last report.	Principal.	Secondary.	Total.	No. of patients operated on.	Cured.	Relieved.	Discharged Otherwise.	Died.	Remained under treatment.	Out-door patients operated on.
Operations on the eyeball.											
Incision—											
Removal of foreign body ...	...	...	1	1	...	...	...	...	...	...	...
Excision—											
Enucleation of eye-ball ...	1	16	...	16	16	14	2	1	...	...	...
Evasceration of eye ball ...	...	5	1	6	5	4	1	...	...	...	...
Operations on the cornea.											
Incision—											
Keratocentesis ...	...	3	1	4	3	1	2	...	...	...	...
Removal of foreign body in cornea ...	...	...	...	...	...	...	...	...	...	...	458
Excision—											
Keratectomy complete ...	...	3	...	3	3	3	...	...	...	...	1
Keratectomy partial ...	...	1	...	1	1	1	...	...	...	...	1
Operations on the Sclara											
Incision—											
Sclerotomy ...	...	16	3	19	16	10	3	1	...	2	...

APPENDIX No. 14—*Contd.*

Classification of operations performed in the Opthalmic Department during the year 1947:—

Nature of Operation.	Remaining as per last report.	Principal.	Secondary.	Total.	No. of patients operated on	Cured.	Relieved.	Discharged Otherwise.	Died.	Remained under treatment.	Out-door patients operated on
Excision—											
Sclerectomy by trephining ...	4	21	4	25	21	21	1	1	...	2	...
Operations on the Iris and Ciliary body											
Incision—											
Iridotomy ...	...	1	...	1	1	...	1	...	...	...	...
Iridotomy with cauterization.	...	...	1	1	...	...	...	...	...	...	...
Excision—											
Excision of lesion of iris ...	...	...	2	2	...	...	...	...	..	...	...
Excision and scraping of iris.	...	1	...	1	1	1	...	...	...	...	1
Complete iridectomy, optical etc. ...	....	44	6	50	44	37	3	3	...	1	..
Manipulation—											
Iridotasis ...	...	9	1	10	9	9	...	...	...	...	..
Destruction—											
Cyclodialysis ...	...	3	1	4	3	2	1	...	...	...	...
Operations on the crystalline lens.											
Incision—											
Diseession needling of lens...	...	6	4	10	6	5	1	...	...	...	4
Excision—											
Extraction of lens intracapsular ...	4	152	...	152	152	151	3	...	...	2	...
Extraction of lens and capoulectomy extra capsular extraction of lens ...	21	444	5	449	444	425	19	6	...	15	...
Operations on the ocular muscles.											
Repair—											
Advancement of lateral (Ext.), rectus muscle ...	...	3	...	3	3	1	1	1	...	...	...
Operations on the eyelids—											
Incision—											
Blepharotomy with drainage of eyelid abscess ...	...	...	...	...	...	...	...	...	...	...	3
Blepharotomy with drainage of Meibomian glands ...	...	...	...	...	...	...	...	...	...	...	37
Excision—											
Tarsectomy; excision of tarsal cartilege ...	...	8	6	14	8	4	4	...	...	...	...
Excision of Meibomian glands (Chalazini) ...	...	...	...	...	...	...	...	...	...	...	2
Repair—											
Blepharoplasty ...	...	2	1	3	2	2	...	...	...	...	...
Blepharoplasty Thin skin graft	...	1	1	2	1	1	...	...	...	...	...
Suture—											
Blepharorrhapy suture of eyebrow ...	...	1	...	1	1	...	1	...	...	...	1
Operations on the Conjunctiva.											
Excision—											
Excision of lesion of conjunctiva— (cyst, epithelioma etc.). ...	...	...	...	...	...	...	...	...	...	...	3
Repair—											
Conjunctiva plasty ...	...	2	...	2	2	1	1	...	...	...	...
Suture—			...								
Suture of conjunctiva ...	...	1	...	1	1	...	...	1	...	...	...

APPENDIX No. 14.—*Contd.*

Classification of operations performed in the Opthalmic Department during the year 1947 :—

Nature of Operation.	Remaining as per last report.	Principal.	Secondary.	Total.	No. of patients operated on.	Cured.	Relieved.	Discharged Otherwise.	Died.	Remained under treatment.	Out-door patients operated on
Operations on the Lacrimal Tract.											
Incision—											
Drainage of lacrimal gland (abscess) ...	...	...	...	...	...	...	...	...	...	...	2
Excision—											
Dacryocystectomy ...	...	28	3	31	28	22	4	...	...	2	2
Total ...	30	771	41	812	771	715	48	14	...	24	515

APPENDIX No. 15

Classification of Operations performed in the Ear, Nose and Throat Department. during the year 1947.

Nature of Operation.	Remaining as per last report.	IN-PATIENTS. No. of Operations. Principal.	Secondary	Total.	No. of patents operated on.	Results. Cured	Relieved.	Discharged Otherwise	Died.	Remained under treatment.	Out-door patients operated on.
Operations on the nose.											
Incision—											
Drainage of nose abscess ...	1	...	...	...	...	1	...	...	...	...	3
Nasal scraping ...	...	...	...	...	...	...	...	...	...	...	1
Osteotomy nasal bone ...	...	1	...	1	1	1	...	...	...	...	...
Excision—											
Excision of lesion of nose ... (Polypi tumour etc.).	...	...	...	...	...	...	...	...	...	...	1
Of septum ...	...	1	...	1	1	1	...	...	...	...	...
Spetectomy submucous resection ...	1	110	...	110	110	72	37	2	...	...	...
Turbinectomy partial ...	...	24	1	25	24	11	13	...	...	...	...
Turbinectomy middle partial ...	...	...	...	...	...	...	...	...	...	...	1
Turbinectomy inferior partial ...		4	...	4	4	2	2	...	...	...	...
Introduction.											
Prefusion of blood Inferior Turbinate ...	...	...	...	...	...	...	...	...	...	...	121
Endoscopy											
Rhinoscopy with removal of foreign body in nose ...	...	...	...	...	...	...	...	...	...	...	1
Repairs.											
Rhinoplasty Plastic reconstruction of nose ...	1	2	2	5	2	2	...	1	...	...	...
Rhinoplasty with bonegraft ...	1	9	...	9	9	5	5	...	...	...	...
Rhinoplasty with cartilage-grafts ...	...	1	...	1	1	1	...	...	...	...	...
Destruction.											
Cauterization Infants Turbinate ...	...	...	...	...	...	...	...	...	...	...	13
Fracture or refracture of nasal bones ...	...	1	...	1	1	1	...	...	...	...	...
Suture											
Suture of nose (wound injury) ...	...	1	...	1	1	1	...	...	...	...	...
Manipulation.											
Manipulation nasal bones ...	...	1	...	1	1	...	...	1	...	...	...

APPENDIX No. 15—*Contd.*

Classification of operations performed in the Ear, Nose and Throat Department during the year 1947:—

Nature of Operation.	IN-PATIENTS.											Out-door patients operated on.
	Remaining as per last report.	No. of Operations.				Result.				Remained under treatment.		
		Principal.	Secondary.	Total.	No. of patients operated on.	Cured.	Relieved.	Discharged otherwise.	Died.			
Operations on the Accessory Sinuses.												
Sinusotomy-Accessory sinuses ...	...	1	...	1	1	...	1	...	...	...	...	
Sinusotomy-Accessory radical. ...	...	1	...	1	1	1	...	...	...	...	...	
Sinusotomy maxillary simple. ...	...	2	...	2	2	1	1	...	...	...	...	
Sinusotomy maxillary radical. ...	1	44	...	44	44	33	12	...	...	...	...	
Puncture of sinus maxillary ...	...	...	...	...	...	...	...	...	...	...	915	
Sinusotomy-Sphenoid sinus ...	...	1	...	1	1	1	...	...	...	...	...	
Excision.												
Excision of lesion frontal sinus ...	...	1	...	1	1	...	...	...	...	...	...	
Excision of lesion ethmoid sinus ...	...	9	1	10	9	5	3	1	...	...	13	
Partial ethmoidectomy intra nasal ...	...	1	...	1	1	...	1	...	...	...	...	
Excision of lesion accessory sinus and mouth or pharynx ...	...	1	...	1	1	...	...	...	...	1	...	
Ethmoidectomy external ...	...	1	...	1	1	1	...	...	...	...	...	
Operations on the Larynx.												
Incision—												
Laryngotomy ...	...	...	1	1	...	...	...	...	...	...	...	
Excision—												
Epiglothidectomy ...	...	1	...	1	1	...	1	...	...	...	...	
Endoscopy—												
Laryngoscopy ...	...	3	1	4	3	...	2	...	1	...	33	
Laryngoscopy with biopsy ...	...	...	1	1	...	...	...	...	...	...	...	
Laryngoscopy with punch biopsy ...	...	...	...	...	...	...	...	...		...	8	
Laryngoscopy with drainage ...	...	1	...	1	1	...	1	...	...	...	...	
Laryngoscopy with dilation. (Stenosis). ...	...	...	...	...	...	...	...	...	...	...	2	
Laryngoscopy with division of laryngeal adhesions ...	...	...	...	...	...	...	...	...	...	...	1	
Laryngoscopy with removal of foreign body vocal cord ...	...	...	...	...	...	...	...	...	...	...	1	
Operations on the Traches and Bronchi.												
Incision.												
Tracheotomy ...	...	9	...	9	9	5	1	1	2	...	4	
Tracheotomy with curettege. ...	...	1	...	1	1	...	...	...	...	...	...	
Tracheotomy with removal of foreign body ...	...	1	...	1	1	...	...	...	1	...	...	
Endoscopy.												
Tracheoscopy ...	...	...	1	1	...	...	...	...	...	...	...	
Bronchoscopy ...	...	4	1	5	4	...	1	1	1	1	3	
Operation on Arteries and Veins												
Suture—												
Suture of jugular vein ...	...	...	1	1	...	...	...	...	...	...	...	
Operations on the lymph nodes.												
Excision—												
For simple excision of cervical lymph nodes ...	...	1	...	1	1	...	1	...	...	...	—	
Operations on the teeth and gums.												

APPENDIX No. 15—*Contd.*

Classification of operations performed in the Ear, Nose and Throat Department during the year 1947:—

Nature of Operation.	Remaining as per last report.	IN-PATIENTS. No. of Operations. Principal.	Secondary.	Total.	No. of patients operated on.	Results. Cured	Relieved.	Discharged Otherwise.	Died.	Remained under treatment.	Out-door patients operated on.
Excision—											
Excision dental cyst ...	1	...	...	...	...	1	...	...	...	...	...
Operations on the cheek.											
Repair—											
Plastic operation—Cheek ...	...	1	...	1	1	...	1	...	...	...	...
Operations on the Pharynx Adenoids and Tonsils											
Incision—											
Incision and drainage abscess peritonsillar tissues ...	...	...	...	...	...	...	...	...	...	...	1
Excision.											
Local excision of lesion of pharynx ...	...	...	1	1	...	...	...	...	...	...	...
Tonsillectomy and Adenoidectomy ...	...	442	...	442	442	397	43	1	...	1	...
Adenoidectomy ...	...	5	...	5	5	4	1	...	...	...	...
Tonsillectomy ...	3	303	...	303	303	259	44	3	...	...	...
Operations on the oesophagus.											
Endoscopy ...											
Esophagoscopy ...	...	7	4	11	7	1	1	3	2	...	46
Esphagoscopy with biopsy ...	...	...	1	1	...	...	...	...	...	...	1
Esophagoscopy with punch biopsy ...	...	1	...	1	1	...	...	...	1	...	1
Esophagoscopy with removal of foreign body ...	...	2	...	2	2	2	...	...	...	...	5
Esophagoscopy with dilation (Stenosis stricture) ...	...	2	5	7	2	...	1	1	...	...	...
Suture.											
Secondary suturing cervical portion of oesophagus ...	...	...	1	1	...	...	...	...	...	...	...
Operations on the stomach. Endoscopy.											
Gastroscopy ...	...	2	...	2	2	...	1	1	...	...	2
Repairs.											
Gastrostomy ...	1	1	...	1	1	2	...	...	...	...	...
Operations on nerves.											
Crushing lateral cutaneous nerves ...	...	..	1	1	...	...	...	...	...	...	...
Operations on the external ear. Incision.											
Incision & drainage of auricle abscess ...	...	...	...	...	...	...	...	...	...	...	3
Excision.											
Local excision of lesion of ear. ...	...	...	...	...	...	...	...	...	...	...	1
Local excision of lesion of Auricle ...	...	..	...	...	...	...	...	...	...	...	...
Endoscopy.											
Otoscopy and removal foreign body ...	...	...	...	...	...	...	...	...	...	...	4
Repairs.											
Otoplasty of lobule ...	...	...	...	...	...	...	...	...	...	...	1
Suture.											
Suture of ear (wound injection) ...	...	...	...	...	...	...	...	...	...	...	1
Operations in the middle ear.											
Myringotomy ...	...	12	...	12	12	7	5	...	...	...	45
Exploration mastoid ...	...	2	...	2	2	...	1	...	1	...	...
Curretting granulation mastoid ...	...	...	1	1	...	...	...	...	...	...	...
Incision abscess mastoid ...	...	10	1	11	10	8	1	1	...	...	...

APPENDIX No. 15—*Contd.*

Classification of operations performed in the Ear, Nose and Throat Department during the year 1947:—

Nature of Operation.	IN-PATIENTS.										Remained under treatment.	Out-door patients operated on
	Remaining as per last report.	No. of Operations.				Results.						
		Principal.	Secondary.	Total.	No. of patients operated on.	Cured	Relieved.	Discharged Otherwise.	Died.			
Excision.												
Excision middle ear ...	...	...	...	...	...	...	...	...	...	...	...	3
Simple mastoidectomy ...	2	24	6	30	24	14	5	2	4	1	...	
Radical mastoidectomy ...	1	43	6	49	43	34	7	1	...	2	...	
Operations on the region. Incision.												
Incision cellulitis temporal ...	...	1	...	1	1	1	...	...	...	...	...	
Excion.												
Excision cyst temporal region.	...	...	...	...	...	...	...	...	...	...	1	
Repair.												
Pedicle graft forehead ...	...	...	1	1	...	...	...	...	...	...	...	
Pedicle graft arm ...	...	1	1	2	1	...	...	1	...	...	...	
Suture.												
Suture C.L.W. face ...	...	1	...	1	1	1	...	...	...	...	..	
Resuturing ...	...	...	1	1	...	...	...	...	...	...	...	
Operations on bones. Incision.												
Osteotomy frontal bones ...	...	1	...	1	1	1	...	...	...	...	...	
Osteotomy maxilla ...	...	1		1	1	...	...	1	...	...	...	
Sequestrectomy alveolar process ...	...	1	...	1	1	1	...	...	...	...	...	
Excision												
Excision frontal bone ...	...	1	...	1	1	...	1	...	...	...	...	
Excision growth maxilla ...	...	1	...	1	1	1	...	...	...	...	...	
Total ...	13	11,03	41	1,144	1,103	881	194	22	13	6	1,237	

APPENDIX No. 16.

Report of the X-Ray and Electrotherapy Department for the year 1947.

During the year which ended on 31st December 1947, the following work was undertaken in the X-Ray Diagnostic Department:—

(*i*) 5,483 patients' skiagrams were taken. Out of these,

(*a*) 2,813 were in-patients (1,522 males, 866 females, 218 male children, 207 female children).

(*b*) 2,670 were out-patients (1,417 males, 887 females : 212 male children, 154 female children).

(*ii*) Fluroscopic examination—

5,779 Fluoroscopic examinations of the chest and foreign bodies were done—1958 were in-patients and 3,521 were out-patients.

(*iii*) Barium Investigations of 499 in-patients were undertaken. Of these 331 were males, 159 were females, 6 male children and 3 female children.

Below is the table showing the patients treated in the Electrotheraphy Department in the year 1947:—

Therapy.	Total No. of patients treated.	Male.	Female.	Male children.	Female children.
(1) Ultraviolet radiation ..	779	176	144	246	213
(2) Infra red radiation ..	267	153	92	13	9
(3) Short wave diathermy ..	146	66	52	17	11
(4) Long wave diathermy ..	133	..	113	..	..
(5) Faradic stimulation ..	103	50	27	16	10
(6) Electrical reaction ..	89	46	24	11	8
(7) Electrolysis ..	13	10	3	..	..
(8) Fulguration ..	22	15	7	..	..
(9) Superficial X-Ray Therapy ..	396	213	176	4	3
(10) Deep X-Ray Therapy ..	33	19	12	1	1

(*a*) The new Deep X-Ray Therapy Tube was fitted in the end of November 1947. The Deep X-Ray Therapy was therefore started only from the 2nd December 1947.

(*b*) As the valve of the Short Wave Diathermy Machine fused in the month of June 1947, no patients were treated with Short Wave Diathermy from June 18, 1947.

APPENDIX No. 17.

Report of the Skin and Venereal Department, K. E. M. Hospital for the year 1947.

Description.	Out-patients.		In-patients.	
	Male.	Female.	Male.	Female.
Primary syphilis ...	859	14	18	3
Secondary syphilis ...	979	66	148	28
Tertiary syphilis ...	22	4	5	1
Congenital syphilis ...	4	6	2	2
Total No. of cases of syphilis ...	1,864	90	173	34
Acute gonorrhoea ...	361	18	21	2
Chronic gonorrhoea ...	223	10	36	2
Total No. of cases of gonorrhoea ...	584	28	57	4
Phagedena ...	15	...	15	...
Chancroid ...	114	7	17	1
Granuloma Inguinalae (5th V. D.) ...	...	...	...	...
Lympho-granuloma Inguinalae (6th V.D.) ...	13	...	5	...
Total No. of venereal cases during the year 1947. ..	2,590	125	267	39
Leprosy cases ...	134	26	1	...
Skin diseases ...	8,971	632	275	74
Grand total of venereal, skin and leprosy cases treated during the year 1947 ...	11,695	2,783	543	113

The above figures indicate the total number of persons seeking treatment in the Skin and Venereal Department direct. They do not include cases referred to the Skin and Venereal Department from other departments as well as cases of previous years which continued treatment during 1947. Hence the total number of cases treated in the department was considerably greater than that shown above.

Among the out-patient department venereal cases, 1,205 patients (of which 50 were females) were treated for two or more venereal diseases.

Among the indoor patients, 51 cases were treated for two or more venereal diseases.

Among the cases treated for skin diseases, 4,981 were found to be suffering from scabies.

c

APPENDIX No. 18.

Statement showing the number of electro-cardiograms taken during the year 1947:—

Clinical condition for which Electro-cardiogram was taken.	Male.	Female.	Total.
1. Congestive cardiac failure ...	38	10	48
2. Hypertension ...	14	6	20
3. Precordial pain ...	51	6	57
4. Auricular fibrillation ...	3	4	7
5. Coronary Thrombosis ...	51	...	51
6. Valvular diseases of heart ...	34	8	42
7. Tachycardia ...	3	2	5
8. Extra systole ...	4	2	6
9. Pericarditis ...	2	1	3
10. Bradycardia ...	7	...	7
11. Rheumatic infection ...	7	4	11
12. Thyrotoxicosis ...	1	2	3
13. Congenital Anomalies of heart ...	9	3	12
14. Neuro-circulatory asthesia ...	7	1	8
15. Miscellaneous ...	57	20	77
Total ...	288	69	357

APPENDIX No. 19.

Central Clinical Laboratory Report.

25,246 laboratory investigations were carried out during the year 1947 in the Central Clinical Laboratory (as apart from the ward laboratories) on the material sent from the Hospital, as against 24,747 and 23,634 in the years 1946 and 1945, respectively. These are grouped under the following heads:—

I. Pathological. II.—Bacteriological. III.—Biological. IV.—Biochemical as under:—

I.—Pathological.

(*i*) Routine Examination of urine	...	1,340
(*ii*) *Examination of blood*—		
(1) Cytological examination—		
(*a*) Complete cytology	...	404
(*b*) Platelet count	...	32
(2) Coagulation time of blood	...	72
(3) Bleeding time of blood	...	72
(4) Grouping and Matching of blood for transfusion	...	1,702
(5) Sedimentation test	...	838
(6) Detection of parasites—		
(*a*) Microfilaria	...	11
(*b*) Malarial parasites	...	96
(*c*) Leishman-Donovan bodies	...	21
(*iii*) Examination of faeces	...	1,525
(*iv*) Examination of sputa	...	801
(*v*) *Examination of Puncture Fluid*—		
(*a*) Cerebro-spinal fluid	...	600
(*b*) Pleural fluid	...	376
(*c*) Ascitic fluid	...	75
(*vi*) Histological examination of tissues	...	1,869
Total	...	9,834

II.—Bacteriological

(*i*) Urine—		
(*a*) Cultural examination	..	347
(*b*) Cultural for M. tuberculosis	..	10
(*ii*) Blood—		
(*a*) Cultural examination	..	453
(*b*) Serological examination—		
(1) Widal reaction	..	950
(2) Wassermann reaction	..	438
(3) Kahn Test	..	8,701
(4) Weil Felix reaction	..	215
(5) Agglutination test against Leptospira	..	47
(6) Agglutination test against Brucella group	..	31
(7) Paul Bunnell test	..	12
(*iii*) Faeces—		
(1) Cultural examination	..	290
(2) Cultural examination for M. tuberculosis	..	2
(*iv*) Puncture fluid—Cultural examination—		
(1) Cerebro-spinal fluid Routine and Culture	..	372
(2) Pleural fluid—		
(*a*) Routine and Culture	..	95
(*b*) Cultural examination for M. tuberculosis	..	2
(3) Peritoneal fluid—		
(*a*) Routine and Culture	..	94
(*b*) Cultural examination for M. tuberculosis	..	3
(4) Fluid from nasal sinuses	..	33
(5) Other aspirated fluids—		
(*a*) Routine and culture	..	132
(*b*) Cultural examination for M. tuberculosis	..	1
(6) Cultures for L. tropica and L. donovani	..	21
(*v*) Miscroscopic and cultural examination of—		
(1) Sputum for M. tuberculosis (culture)	..	4
(2) Pus—		
(*a*) Routine and culture	..	251
(*b*) Culture for M. tuberculosis		4
(3) Throat swabs	..	302
(4) Nasal swabs	..	86
(*vi*) Examination for the presence of micro-organisms (microscopy)—		
(1) Nasal secretions	..	16
(2) Urethral or cervical discharges		95
(*vii*) Preparation of vaccines	..	45
(*viii*) Preparation of Atolysate	..	25
		13,079

III.—Biological.

(1) Frei's test	..	17
(2) Casoni's test	..	4
(3) Neill Mooser reaction	..	1
(4) Vollmer patch test	..	10
Total	..	32

IV.—Biochemical.

(1) Urine—

1. (*a*) Determination of Diastase Index		12
(*b*) Spectroscopic examination of urine		4
(*c*) Hippuric acid liver function test		15
(*d*) Alkaptone	..	1
(*e*) Urobilinogen	..	5
(*f*) Calcium	..	5
(*g*) Chlorides	..	1
(*h*) Creatinine	..	1
(*i*) Chyle	..	1

(2) Blood—

1. Determination of chemical constituents—

(*a*) Total proteins	..	121
(*b*) Albumin	..	60
(*c*) Globulin	..	60
(*d*) Fibrinogen	..	1
(*e*) Non-protein nitrogen	..	293
(*f*) Urea Nitrogen	..	83
(*g*) Glucose (Fasting level)	..	36
(*h*) Calcium	..	16
(*i*) Sodium	..	2
(*j*) Cholesterol	..	40
(*k*) Cholesterol ester	..	1
(*l*) Sulphanilamide content	..	10
(*m*) Inorganic phosphorous	..	6
(*n*) Uric acid	..	1
(*o*) Chlorides	..	5
(*p*) Creatinine	..	3

2. Other Tests—

(*a*) Determination of Icteric Index	..	271
(*b*) Blood sugar tolerance curve	..	22
(*c*) Vandenbergh Reaction	..	270
(*d*) Aldehyde test	..	34
(*e*) Urea clearance test	..	9
(*f*) Urea concentration	..	3
(*g*) Takata-Ara test	..	39
(*h*) Serum diastase	..	3
(*i*) Prothombin time	..	25
(*j*) Fragility of red cells	..	9
(*k*) Spectroscopic examination Blood		3
(*l*) Phosphatase (alkaline)	..	7

3. Analysis of faeces (Estimation of fats)		3
4. Cerebro-spinal fluid Determination of chemical constituents—		
(*a*) Chlorides	..	193
5. Cerebro-spinal Fluid - Lange Colloidal Gold Test	..	6
6. Examination of gastric contents (Fraction Method)	..	539
(7) Ascetic Fluid: Takata Ara Test.	...	69
(8) Aspirated Fluids		2

(9) Some special tests:—

(*a*) Hypocortico adrenalism test of Kepler etc.	...	3
(*b*) Duodenal contents examination	...	4
(*c*) Calculi chemical analysis	...	4
Total	...	2,301

Autopsy Section.

387 autopsies were performed during the year 1947 as against 351 in 1946 and 263 in 1945. In majority of the cases the autopsies were performed on claimed bodies with the consent of the relatives. A detailed record of every autopsy together with the investigations carried out is filed up. The total number of 387 autopsies include the following held on bodies received from other institutions specified below:—

Acworth Leper Home	..	3
Bai Jerbai Wadia Hospital for Children	..	3
Nowrosjee Wadia Maternity Hospital	..	2
Total	..	8

We are grateful to the authorities of the above institutions for the material supplied.

The records are carefully scrutinized and the preparation of an index in groups of thousand serial is continued. A typed summary of the post-mortem findings is sent to the hospital for being attached to the case papers.

The following table gives the number of blocks prepared for histological examination from the post-mortem organs, and the tissues received after surgical operations from 1st January 1947 to 31st December 1947 together with the comparable figures for the previous years.

year.	Blocks of post-mortem organs.	Blocks of tissues from the surgical side of the K. E. M. Hospital.	Tissues received from the enquiries under the I.R.F.A. and from outside.	Total.
1947 ..	1522	1869	93	3484
1946 ..	1586	1623	..	3209
1945 ..	1634	1425	..	3059

The Blood Bank.

No. of blood samples collected	..	985
No. of plasma samples separated	..	116
No. of blood samples supplied for transfusion	..	828
No. of bottles of dried plasma supplied to patients from June 1947.	..	661

APPENDIX No. 20.

K. E. M. Hospital, Poor Box Charity Fund.

Poor Box Charity Fund Statement of Accounts for the year 1947-48.

Receipts.				Rs. as. ps.
To balance in hand on 31-3-1947				240 1 3
To balance with the Central Bank of India				25,663 6 8
To collection from out-door boxes				2,008 1 0
To collection from ward boxes				8,772 4 6
To Donations				19,168 10 6
To Interest—	Rs. as. ps.			
Allowed by bank on current account	57 5 0			
1/3 Interest due on securities for 1946-47	1,649 4 0			
1/3 Interest due on securities for 1947-48	2,921 13 0			
	4,628 6 0			
Less—Interest to be recovered from Chief Accountant for 1947-48	1,519 13 0			
				3,108 9 0
To Miscellaneous Receipts				186 6 6
To collection on account of medical certificates				4,404 0 0
To part payment of spectacles				239 0 0
To contributions towards costly medicines, injections, blood transfusions, artificial limbs etc....				52,657 3 6
To sale of Hospital Pharmacopoeia				1,223 0 0
To amount accrued on the securities on the Convalescent Home by way of interst from time to time	Rs. as. ps. 5,630 11 2			
Less—Bank Commission	7 0 0			
				5,623 11 2
To excess of receipts over payment in deposit account				263 15 9
		Total	...	1,23,558 5 10

Disbursements.				Rs. as. ps.
By appliances such as crutches, artificial limbs, hernia belts, etc.				3,105 10 0
By supply of costly medicines, injectios, etc., to the poor patients of this hospitals				73,008 9 0
By blood transfusion charges				17,615 0 0
By spectacles to patients				624 14 0
By travelling expenses to patients				112 13 6
By printing and stationary				364 15 0
By establishment charges				1,012 8 0
By miscellaneous expenses				4,447 9 9
By investment by the Chief Accountant, Bombay Municipality, out of the amount of 2/3 interest accrued on Convalescent Home Fund—	Rs. as. ps.			
3 % Municipal Debentures of face value of	2,300 0 0			
3 % G. P. Notes (Conversion Loan 1946)	3,200 0 0			
				5,520 4 0
By cash in hand on 31-3-1948				21 8 0
By cash in bank on 31-3-1948				17,621 3 5
By cash with the Chief Accountant, Bombay Municipality				103 7 2
		Total	...	1,23,558 5 10

Balance Sheet of the Poor Box Charity Fund, K. E. M. Hospital as on 31st March 1948.

Liabilities.		Rs. as. ps.	Rs. as. ps.	Assets.		Rs. as. ps.	Rs. as. ps.
Fund account balance on 31-3-1947	...		2,48,952 1 4	Cash in hand	...	21 8 0	
Interest on investment as per Chief Accountant's adjustment	...		5,327 6 0	Balance with Central Bank of India, Ltd.	...	17,621 3 5	
			2,54,279 7 4	Balance with the Chief Accountant, Bombay Municipality on account of Convalesecent Home Fund Account		103 7 2	
Less—Excess of expenditure over receipts during 1947-48	...		8,590 4 0				17,746 2 7
			2,45,689 3 4	Investments (at cost)—			
						Rs.	
Deposit Account—				(1) 3% Loan (1951-54) of the face value of	...	6,000	6,210 0 0
Patients' money	...	352 9 3		(2) 4% Loan (1960-70) of the face value of	...	20,000	20,933 0 0
Moiety amount of Resident Medical Officer's	...	237 0 0		(3) 4% B. P. T. Debentures (1968) of the face value of	...	3,000	3,333 12 0
Miscellaneous deposits	...	5 0 0		(4) 4% B. P. T. Debentures (1969) of the face value of	...	500	555 10 0
			594 9 3	(5) 4% B. P. T. Debentures (1973) of the face value of	...	500	555 10 0
				(6) 4% B. I. T. Debentures (1962) of the face value of	...	500	465 0 0
				(7) 4% B. I. T. Debentures (1965) of the face value of	...	1,000	930 0 0
				(8) 4% B. I. T. Debentures (1972) of the face value of	...	10,000	9,300 0 0
				(9) 4% B. I. T. Debentures (1973) of the face value of	...	1,000	930 0 0
				(10) 4% B. I. T. Debentures (1974) of the face value of	...	500	510 0 0
				(11) 6% B. M. Debentures (1950-60) of the face value of	...	12,000	11,718 2 0
				(12) 5% B. M. Debentures (1954-59) of the face value of	...	18,000	16,123 12 0
				(13) 4% B. M. Debentures (Original) B. I. T. Debentures	...	500	510 0 0
				(14) 4% B. I. T. Debentures (1962) of the face value of	...	2,000	2,040 0 0
				(15) 4% B. I. T. Debentures (1967) of the face value of	...	6,500	6,862 8 0
				(16) 4% B. I. T. Debentures (1965) of the face value of	...	1,500	1,530 0 0
				(17) 4% B. M. Debentures (1968) of the face value of	...	500	510 0 0
				(18) 3% B. M. Debentures of the face value of	...	11,900	11,900 0 0
				(19) 3½% B. M. Debentures	...	1,900	1,900 0 0
				(20) 3% C. P. Notes (Conversion Loan 1946)	...	1,31,700	1,31,700 0 0
						2,29,500	2,28,517 6 0
				Advance interest paid at the time of purchase of securities to be adjusted			20 4 0
	Total	...	2,46,283 12 7		Total	...	2,46,283 12 7

Note.—Interest to be realised during 1947-48 not collected Rs. 1,519—13—0.

TOPIWALA NATIONAL MEDICAL COLLEGE.

Administrative Report for the period from 1st April 1947 to 31st March 1948.

By their Resolution No. 894, dated the 8th November 1946, the Corporation took over the management of the Topiwala National Medical College and the Bai Yamunabai L. Nair Charitable Hospital from 1st November 1946.

Origin

The National Medical College owes its origin to the national movement of 1921 and was started in September 1921 by a few prominent medical men of Bombay.

On the occasion of the Silver Jubilee celebrations, the Management set up an Expansion Committee to collect funds for the expansion of the College and the Hospital with a view to getting the former affiliated to the Bombay University for coaching students for the M.B.B.S. course. The Committee with their real and perseverence, succeeded in collecting funds to the extent of Rs. 12 lacs and decided some expansion activities.

Transfer to the Municipality and further development

As stated above, the Municipality took over the College and the Hospital at the time when those institutions needed vast resources for expansion and affiliation of the College to the Bombay University. Government have agreed in principle to give a grant-in-aid to the Bombay Municipality for the maintenance of the College. But the College and the Hospital needed funds to meet the capital expenditure. As stated in the Hospital report, the Municipality undertook three constructional works in connection with the expansion scheme of the Hospital. The Corporation has also been pleased to sanction an amount of Rs. 20,000 for the purchase of a Refrigeration plant as required by the University. The Corporation has also sanctioned funds for the construction of a new building for the Hospital which will include provision for a refrigeration chamber to preserve dead bodies required for dissection. Arrangements have been made to purchase a large number of instruments and equipment for the different departments of the College and for that purpose, special grants of Rs. 10,000 for Materia-Medica, Rs. 5,000 for Hygiene and Rs. 2,000 for Jurisprudence Departments have been sanctioned by the Corporation. A new floor has been erected on the present college building to accommodate the Pathology Deparrtment and to provide a hall for the Library.

The College has been affiliated to the Bombay University for pre-clinical course from November 1946. There were 325 students studying in the College, out of whom 55 were lady students. The College is seeking affiliation to the Bombay University for continuation of affiliation for the preclinical courses and also for extension of the affiliation for the clinical courses. Every effort has been made to comply with all the suggestions made by the Local Inquiry Committee of the University and it is hoped that the College will secure affiliation for the clinical courses as well, leading upto the final M.B.B.S. Examination.

The following statement shows the detailed report of the students on the roll :—

Class.	Males.	Females.	Total.
(1) 1st M.B.B.S. ..	94	23	117
(2) 1st L. M. P. ..	2	..	2
(3) 2nd year L. C. P. S. ..	4	..	4
(4) 3rd year L. C. P. S. ..	15	3	18
(5) 3rd year L. M. P. ..	7	3	10
(6) 4th year L. C. P. S. ..	44	9	53
(7) 5th year L. C. P. S. ..	104	17	121
Total ..	270	55	325

The result of the examination held during the period is as under :—

	Students appeared	Students passed
(1) Final L. C. P. S. ..	74	30

Annual cost and the revenue

A sum of Rs. 1,00,908-14-0 was spent during the period under report on the maintenance of the College. The amount of fees received during the year was Rs. 73,795-8-6.

Library and Museum.

During the period under report 250 books were presented to the Library by different persons. The total number of books in the Library was 2,914. 815 books were issued to students. The library is being expanded by addition of new books on different subjects.

The number of different models and specimens in the departments are as under :—

1. Pathology—500 mounted wet specimens with description of each.
2. Anatomy—20 models, 247 wet specimens; 3 skeletons and a large number of separate bones, and charts.
3. Embryology—140 Models and 40 Specimens and about 50 charts.

Hostel accommodation.

The number of students residing in the College hostel is 45. Hostel accommodation being limited many applications had to be rejected.

GENERAL

The names and other particulars of the members of the teaching staff are shown in the statement appended hereto.

Statement showing the present teaching staff of the College.

Names.	Qualifications.	Designation.
	Dean and Superintendent.	
Dr. D. D. Variava	.. M.B.B.S., F.R.C.S., Ed.	
	Anatomy Department	
Dr. D. D. Variava	.. M.B.B.S., F.R.C.S. & (Ed.)	.. Professor of Anatomy.
Dr. S. R. Nair	.. B.Sc., M.B.B.S., F.C.P.S.	.. Associated Professor of Embryology.
Dr. V. G. Kale	.. M.B.B.S., F.C.P.S.	.. Assistant Prof. of Anatomy.
Dr. M. K. Vora	.. M. S.	.. Assistant Prof. of Anatomy.
Dr. F. Amral	.. M.B.B.S.	.. Demonstrator in Anatomy.
Dr. M. N. Masurekar	.. M.B.B.S.	.. Demonstrator in Anatomy.
Dr. H. H. Chawda	.. M.B.B.S.	.. Demonstrator in Anatomy.
	Physiology Department.	
Dr. J. D. Pathak	.. B.Sc., M..D	.. Prof. of Physiology.
Dr. T. H. Rindani	.. M.D.	.. Assistant Prof. of Physiology.
Mr. S. N. Narayana Rao	.. M. Sc.	.. Assistant Prof. of Bio-Chemistry and Bio-Physics.
Dr. V. A. Rane	.. M.B.B.S.	.. Demonstrator in Physiology.
Dr. R. M. Kothasthane	.. M.B.B.S.	.. Demonstrator in Physiology.
Dr. P. M. Pattani	.. M.B.B.S.	.. Demonstrator in Physiology.
	Materia Medica Department	
Dr. S. S. Rau	.. M D. (Madras).	.. Lecturer in Pharmacology.
Dr. K. H. Gharat	.. M.B.B.S.	.. Tutor in Pharmacology.
	Pathology Department	
Dr. K. Raman	.. M.D.	.. Assistant Prof. of Pathology.
Dr. B. S. Raheja	.. M.D.	.. Assistant Prof. of Pathology.
Dr. J. L. Saldanha	M.B.B.S., B.M.S.	.. Lecturer in Pathology.
Dr. P. V. Tilak	.. B.Sc., M.B.B.S.	.. Lecturer in Pathology and Nacteriology.
Dr. M. N. Billimoria	.. L.C.P.S.	.. Demonstrator in Pathology.
Dr. D. A. Mahajan	.. L.C.P.S.	.. Demonstrator in Pathology.
Dr. S. K. Kulkarni	.. L.C.P.S.	.. Demonstrator in Pathology.
	Honorary Staff.	
Dr. V. T. Wagh	.. M.B.B.S., D.Hy., D.P.H., D.T.M. &H., L.M.	Lecturer in Hygiene.
Dr. F. Noronha	.. M.B.B.S., D.P.H., M.R.C.S.	Lecturer in Jurisprudence.
Mr. C. M. Mawani	..	Physical Instructor.
Dr. K. A. J. Lalkaka	.. M.B.B.S., (Capt. I.M.S.)	.. Lecturer in Psychiatry.
Dr. P. F. Soonawala	.. M.D.	.. Lecturer in Medicine.
Dr. D. D. Bamji	.. M.D.	.. Lecturer in Medicine.
Dr. S. C. Sheth	.. M.D.	.. Lecturer in Medicine.
Dr. V. V. Shah (On leave)	.. M.D., M.R.C.P.	.. Lecturer in Medicine.
Dr. S. S. Rau,	.. M.D. Officiating *vice* Dr. V. V. Shah.	
Dr. R. T. Desai	.. M B.B.S., D.L.O., F.R.C.S. (Ed).	Lecturer in Surgery.
Dr. S. Patrao	.. B.Sc., M.D.M.S., F.C.P S	.. Lecturer in Surgery.
Dr. V. K. Desai	.. M.B.B.S., F.R.C.S.E., L.R.C.P., M.R.C.S.	Lecturer in Surgery.
Dr. A. B. C. Noronha	.. M.S. (Bom.)	.. Lecturer in Surgery.
Dr. H. V. Tilak	.. J.P., B.Sc., M.B.B.S., F.R.C.S.E., F.C.P.S.	Lecturer in Midwifery and Gynaecology.
Dr. J. N. Karande	.. M.D., F.C.P.S.	.. Lecturer in Midwifery and Gynaecology.
Dr. K. C. Shah	.. M.B.B.S., M.R.C.O.G., D.C.H., R.C.P. & S., L.M.	Lecturer in Obstetrics.
Dr. H. D. Patel	.. M.B.B.S., D.O., D.O.M.S.	.. Lecturer in Ophthalmology.
Dr. J. M. Damany	.. F.R.F.P.S., D.L.O., D.O.	.. Lecturer in Ear, Nose and Throat diseases.
Dr. S. Noronha	.. M.B.E., D.T.M. & H., D.T.M. F.C.P.S., J.P.	Lecturer in Skin and Venereal diseases.
Dr. G. S. Ambardekar	.. M.B.B.S., D.A.R.C.S.	.. Lecturer in Anaesthesia.
Dr. G. H. Nerurkar	.. D. M. R.	.. Lecturer in Radiology.
Dr. M. S. Ginwala	.. D.D.S., M.S.	.. Lecturer in Dentistry.

D. D. VARIAVA,
Dean,
Topiwala National Medical College.

BAI YAMUNABAI L. NAIR CHARITABLE HOSPITAL.

Administration Report for the period from 1-4-47 to 31-3-48.

Expansion of the Hospital under Municipal Management

The Corporation took over the administration the Hospital from 1-11-46 and there after various expansion schemes have been under taken. A gangway connecting the first and 2nd floors of the two hospiital buildings has been put up to facilitate the movement of patients from wards to the Operation Theatres and also for the convenience of the staff. The old servants quarters behind the hospital Annexe building were renovated and a new kitchen for the Hospital has been constructed. The post-mortem room, a long felt necessity was also constructed and will be ready for carrying on post-mortem examinations at the hospital.

In addition to the recurring expenditure on the maintenance of the hospital the Corporation has also been pleased to sanction funds for the equipment of various departments, X-Ray Department (Rs. 1,00,000) equipment for Nurses Quarters (Rs. 10,000) etc.

While considering expansions schemes for the hospital and also the proposals for meeting its needs and amenities it is felt that the present site is congested that we are greatly handicapped in all our schemes of progress and expansion.

Dr. D. D. Variava, M.B.B.S., F.R.C.S., (Ed.), was in charge of the hospital at its Superintendent, during the period under report.

The 160 beds of the hospital are distributed as under :—

Department.	Men.	Women.	Children.	Total.
Medical	38	18	4	60
Surgical and Orthopaedic	32	16	4	52
Gynaecological	..	12	..	12
Ophthalmic	6	..	..	6
Aural	3	3	2	8
Skin and Venereal	3	3	..	6
Maternity	..	16	..	16
Total ..	82	68	10	160

The total number of in-patients admitted during the period was 3814.

The highest number of in-patients treated on a single day was 152.

The number of patients treated during the period under report and the total expenditure incurred is mentioned below.

The statistical tables attached to this report record in detail the number of patients attendance, etc., in all the departments of the hospital and the number and nature of operations performed during the period under report.

Particulars.	Figures for the period under report.
(a) In-patients.	
(1) Scheduled strength of beds	160
(2) Daily average No. of in-patients	136
(3) Total No. of new in-patients treated	3,926
(4) Average No. of days each patient was resident	12.5
(b) Out-patients.	
(1) Total No. of New out-patients including Sundays & Holidays	20,567
(2) Daily average No. of New out-patients	60.9%
(3) Total No. of Out-patients attendance	55,908
(4) Daily average No. of out-patients attendance	153.2%
(5) No. of casualty patients not included in No. 1	1.676
(c) Operations.	
(1) Total No. of operations on in-patients	1,067
(2) Total No. of operations on out-patients	760

Out of the total number of 3,926 in-patients treated during the period under report, 2418 were cured, 798 were relieved, 189 died and 379 were discharged otherwise and 142 remained in the Hospital.

The highest out-patient attendance on any one day during the period under report was 225.

The total expenditure incurred on the maintenance of the hospital during the period under report approximately amounted to Rs. 3,14,340. This includes the cost of maintenance and treatment of in-patients, the cost of the out-patients deparment, of the resident medical, nursing and labour staff as well as that of the administration, maintenance and repairs of the buildings, etc.

The details of the cost per in-patient per day for the period under report will be seen from the following table :—

Period.	Diet.	Drugs and Dressings.	Stores, Linen, repairs and Miscellaneous.	Heating and Lighting.	Establishment.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1947-48.	0 14 5	0 11 4	0 6 10	0 1 10	2 4 3	4 7 8

The following table gives the average cost of every out-patient treated during the period under report :—

Period.	Drugs and Dressings.	Stores and Repairs.	Lighting and Miscellaneous.	Establishment.	Total.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1947-48	0 5 8	0 1 1	0 0 10	0 12 3	1 3 10

862 certificates were issued during the period under report as shown below :—

Certificates under Workmen's Compensation Act	12
Medical Opinion	2
Police	98
Railway injuries	..
Municipal Employees	20
Ordinary Certificates	730
Total ..	862

28 organic poisioning cases were treated in the hospital 2 died within 24 hours and the rest were cured.

During the period under report 30 nurses were trained in the hospital.

The cost of the nursing establishment works out at Rs. 102-0-0 per mensum. It includes the cost of salaries, uniform and dhobi, allowances and honorarium to the Medical Officers giving instructions in the nursing, class, mess charges, the cost of electric energy consumed and repairs to their quarters, cost of household linen and craockery etc.

During the period under report 48 cases were treated with blood transfusions.
The list of the hospital staff is attached.

Appendies giving about detailed the information patients in the hospital classified according to diseases, the out-patients treated their classification according to diseases and the various operations performed are appended.

D. D. VARIAVA,

Superintendent.

BAI YAMUNABAI L. NAIR CHARITABLE HOSPITAL.

List of Senior Medical Officers.

Superintendent.

DR. D. D. VARIAVA, M.B.B.S., F.R.C.S. (Ed.)

Resident Medical Offices

Dr. V. B. X. ALMEIDA M.B.B.S.

Hon. Physicians.

DR. P. F. SOONAWALA, M.D. (Bom.).
DR. D. D. BAMJI, M.D. (Bom.).
DR. V. V. SHAH, M.D. (Bom.), On leave.
DR. S. C. SHETH, M.D. (Bom.).

Hon. Asstt. Physicians.

DR. S. S. RAU, M.D. (Madras.). (Officiating Hon. Physician vice Dr. V.V. Shah on leave).
DR. L. R. PATEL, M.B., B.S. (Bom.), M.D. (Bom.), M.R.C.P. (London).

Hon. Surgeons.

DR. R. T. DESAI, D.L.O., M.B., B.S., F.R.C.S. (Edin.).
DR. S. PATRAO, B.Sc., M.D., M.S., A.
DR. B. C. NORONHA, M.S. (Bom.).
DR. V. K. DESAI, M.B., L.R.C.P. (Lond.), F.R.C.S. (Eng.).

Hon. Gynaecologists and Obstetricians.

DR. H. V. TILAK, B.Sc., M.B., B.S., (Lond.), F.R.C.S. (Edin.), F.C.P.S. (Bom.).
DR. J. N. KARANDE, M.D. (Bom.), F.C.P.S. (Bom).
DR. K. C. SHAH, M.R.C.O.G. (Lond.), D.C.H., R.C.P. & S. (Eng.), L.M. (Rotund and Dub.) M.B., B.S. (Bom.).

Hon. Opthalmologists.

DR. H. D. PATEL, M.B., B.S. (Bom.), D.O. (Oxon), D.O.M.S. (I ond.).
DR. N. P. BILLIMORIA, D.O.M.S. (Bom.)
DR. A. M. GOKHALE, D.O.M.S. (Bom.)

Hon. Ear, Nose and Throat Surgeons.

DR. J. M. DAMANY, M.B., B.S. (Bom.), D.O.M.S. (Lond.), D.O. (Oxon.), D.L.O. (Lond.), F.R.F.P.S
DR. C. B. BHARUCHA, M.B., B.S. (Bom.).

Hon. Plastic Surgeon.

DR. M. S. N. GINWALA, D.D.S., M.S. (Torento.)

Hon. Dermatologists.

DR. S. NORONHA, M.B., B.S., B.Hy., D.T.M. & S. (Eng.), D.T.M. (Lond.), F.C.P.S.
DR. H. A. CHOKSY, M.B., M.R.C.P. (Edin.).

Hon. Pathologist.

DR. J. L. SALDANHA, M.B., B.S., B.M.S.

Hon. Psychiatrist.

CAPT. K. A. J. LALKAKA, M.B., B.S., I.M.S.

Hon. Asstt. Radiologists.

DR. B. C. DORAISWAMY, D.M.R. (Bom.)
DR. G. H. NERURKAR, D.M.R. (Bom.)

Hon. Anaesthetists.

DR. G. S. AMBADEKAR, M.B., B.S. D.A. (Oxon.).
DR. D. S. JOGLEKAR, L.C.P.S. (Bom.).
DR. M. N. MASURKAR, M.B., B.S., M.C.P.S.

APPENDIX I.

Summary of patinets treated in the Bai Yamunabai L. Nair Charitable ffiospital. According to diseases with results for the 1947-48.

Nature of Diseases.	Remained.	Admitted.	Total in-patients.	Cured.	Discharged.			Remaining.	Out-patients.
					Relieved.	Otherwise.	Died.		
Infecti us etc. diseases.									
(1) Measles ...	00	00	00	00	00	00	00	00	3
(2) Whooping cough ...	00	02	02	00	00	02	00	00	18
(3) Influenza ...	00	00	00	00	00	00	00	00	158
(4) Erysipelas ...	00	00	00	00	00	00	00	00	02
(5) Tuberculosis Primary (Lungs).	08	201	209	20	52	108	20	09	336
(6) Tuberculosis other forms...	00	97	097	11	42	041	01	02	43
(7) Syphilis ...	00	022	022	00	21	000	01	00	43
(8) Conococcal Infection ...	00	008	008	08	00	000	00	00	140
(9) Soft Chancer ...	00	000	000	00	00	000	00	00	55
(10) Septicaemia ...	00	0003	003	01	00	000	02	00	03
(11) Pyaemia ...	00	013	013	12	00	000	01	00	03
(12) Enteric Fever ...	05	118	123	92	00	003	25	03	133
(13) Malaria ...	01	056	057	45	00	001	00	02	340
(14) Typhus Fever ...	00	009	000	09	00	000	00	00	500
(15) Infective Partitis ...	00	001	001	00	00	001	00	00	002
(16) Kala-Azar ...	00	002	002	02	00	000	00	00	002
(17) Totanus ...	00	014	014	12	00	000	02	00	005
(18) Rat Bite ..	00	002	002	02	00	000	00	00	012
Total ...	14	548	562	214	124	156	52	16	1,453
Neoplasms.									
(19) Carcinoma—									
Breast ...	00	003	003	00	003	000	00	00	003
Cheack ...	00	004	004	00	03	001	00	00	006
Penis ...	00	002	002	00	00	002	00	00	003
Stomach ...	00	006	006	00	00	005	01	00	008
Lungs ...	00	002	002	00	00	001	01	00	002
Oesophagus ...	00	001	001	00	00	001	00	00	002
Larynx ...	00	003	003	00	00	003	00	00	010
Rectum ...	00	003	003	00	00	002	00	01	003
Liver ...	00	003	003	00	00	003	00	00	003
(20) Sarcoma ...	00	002	002	00	00	002	00	00	003
(21) Non-Malignant Tumours	01	018	019	17	01	001	00	00	020
Total ...	01	047	048	17	07	021	02	01	063
Rheumatism, etc.									
(22) Rheumatic Fever ...	00	038	038	32	05	001	00	00	162
(23) Actute Rheumatism ...									
(24) Fibrositis ...	00	002	002	02	00	000	00	00	114
(25) Lambego Myalgia ...	00	000	000	00	00	000	00	00	156
(26) Blood Diseases ...	05	142	147	43	80	005	13	06	232
Total ...	05	182	187	77	85	006	13	06	664

Nature of Diseases.	Remained.	Admitted.	Total in-patients.	Cured.	Discharged.			Remaining.	Out-patients.
					Relieved.	Otherwise.	Died.		
Nervous System, etc.									
27. Meningitis ...	02	068	070	37	00	003	28	02	0033
28. Cerebral Naemorrhage ...	00	005	005	00	01	000	04	00	000
29. Acute Poliomyelitis ...	00	004	004	03	00	000	01	00	003
30. General Paralysis of Insane ...	00	002	002	00	02	000	00	00	000
31. Paralysis Agitans ...	00	003	003	00	02	000	00	00	000
32. Other Paralysis ...	03	056	059	09	25	019	03	03	024
33. Other Insanity ...	00	001	001	00	00	001	00	00	000
34. Epilepsy ...	00	004	004	00	04	000	00	00	008
35. Disseminated Sclarosis ...	00	005	005	00	05	000	00	00	001
36. Neuritis.									
37. Neuralgia ...	00	002	022	18	04	000	00	00	028
38. Sciatica ...	01	014	015	04	10	000	00	01	016
39. Other Diseases of Nervous system ...	00	011	011	02	07	002	00	00	020
Total ...	06	195	201	73	60	026	36	06	103
40. Diseases of the Eye ...	00	027	027	27	00	000	00	00	1994
Total ...	06	027	027	27	00	000	00	00	1994
Circulatory System.									
41. Valvular Heart Diseases ...	01	020	021	02	14	001	02	02	28
42. Myocardeal Diseases ...	02	052	054	01	26	007	17	03	49
43. Other Heart Diseases ...	00	041	041	11	20	010	00	00	18
44. Aneerysm ...	00	004	004	00	00	004	00	00	02
45. Arteriosclerosis.									
46. Hupertention ...	00	010	010	00	08	000	02	00	03
47. Gangrene ...	00	013	013	08	00	000	04	01	13
48. Diseases of the Veins ...	00	001	001	01	00	000	00	00	04
Total ...	03	141	144	23	68	022	25	06	117
Ear, Nose and Throat Diseases.									
49. Enlarged Tonsils and Adenoids ...	02	047	049	46	00	000	01	02	0253
50. Coryza, Rhinitis and Catarri ...	01	000	001	01	00	000	00	00	0767
51. Deviated Nasal Septum ...	00	002	002	01	01	000	00	00	0008
52. Others ...	00	000	000	00	00	000	00	00	0572
Total ...	03	049	052	48	01	000	01	02	1600
Diseases of the Respiratory System.									
53. Bronchitis Acute.									
54. Bronchitis Chornic.	01	034	035	30	05	000	00	00	0931
55. Lobar Pneumonia ...	03	089	092	80	00	000	09	03	0091
56. Broncho-pneumonia ...	00	017	017	14	00	000	03	00	0008
57. Pleurisy ...	01	033	034	07	16	009	01	01	0035
58. Empyema ...	00	007	007	03	00	004	00	00	0003
59. Asthma ...	00	019	019	00	17	001	00	00	0010
60. Tropical Eosinophylia	00	010	010	08	02	000	00	00	0010
61. Other diseases of Respiratory system ...	00	002	002	01	00	000	01	00	0050
Total ...	05	211	216	143	40	014	14	05	1326
Digestive System.									
62. Ulcer Stomach ...	00	010	010	01	08	000	00	01	019
63. Ulcer Duodenum ...	01	039	040	08	27	000	03	02	032
64. Chronic Dysepsia ...	00	017	017	02	12	003	00	00	352
65. Diarrhoea ...	00	045	045	31	04	000	07	03	288
66. Enteritis ...	01	033	034	21	08	000	03	02	164
67. Appendicitis ...	03	056	059	47	09	000	02	01	0565
68. Hernia ...	04	078	082	78	00	000	00	04	082
69. Intestinal Obstruction.									
70. „ Acute Chronic.									
Chronic	00	008	008	05	00	000	03	00	008
71. „ Statis	00	000	000	00	00	000	00	00	009
72. Constipation ...	00	009	000	003	02	004	00	00	162
73. Cirrhosis of Liver ...	01	016	017	000	11	001	02	03	046
74. Hepatitis and Jaundice	00	051	051	029	17	000	05	00	073
75. Billiary Calculii ...	00	002	002	002	00	000	00	00	002
76. Acute Adbomen ...	00	023	023	022	00	000	01	00	000
77. Fissure in Ano ...	00	027	027	027	00	000	00	00	057
78. Fistula in Ano. ...	02	057	059	035	21	000	008	03	060
79. Haemorrhoids ...	03	034	037	020	12	000	00	04	065
80. Amoebia sis ...	01	018	019	12	06	000	00	01	160
81. Helminths ...	00	042	042	32	10	000	00	00	199
82. Prolapse Rectum ...	00	001	001	01	00	000	00	00	001
83. Other Diseases ...	00	000	000	00	00	000	00	00	018
Total ...	16	566	582	376	147	008	26	25	1862

Nature of Diseases.	Remained.	Admitted.	Total in-patients.	Cured.	Discharged.			Remaining.	Out-patients.
					Relieved.	Otherwise.	Died.		
84. Diseases of the Lymphic System ...	00	0027	027	021	05	000	00	01	032
85. Diseases of the Thyroid Gland ...	00	008	008	006	02	000	00	00	005
Total ...	00	035	035	027	07	000	00	01	037
Genito-Urinary System.									
86. Nephritis Acute } ...									
87. Nephritis Chronic. } ...	01	016	017	05	07	002	02	01	018
88. Other diseases of Kidney	00	018	018	08	07	002	00	01	015
89. Diseases of UrinaryBladder	00	001	001	01	00	000	00	00	023
90. Urinary calculi ...	00	026	026	06	20	000	00	00	021
91. Diseases of Prostate non-malignant ...	00	005	005	02	01	000	02	00	011
92. Stricture Urethra ...	00	017	017	00	15	000	001	01	017
93. Non-Venereal diseases of Genital Organs ...	00	007	007	07	00	000	00	00	066
94. Hydrochole ...	06	082	088	82	00	000	00	06	0128
Total ...	07	172	179	111	50	004	05	089	299
Skin, etc.									
95. Boils ...	01	000	001	01	00	000	000	00	0032
96. Carbuncle ...	00	003	003	02	00	000	000	01	0008
97. Abscess ...	05	106	111	104	00	000	000	07	0622
98. Ulcer ...	04	031	035	028	03	000	000	04	0462
99. Eczema ...	00	006	006	000	05	000	000	01	0154
100. Scabies ...	01	022	023	022	00	000	000	01	0610
101. Burns ...	00	025	025	022	00	000	002	01	0038
102. Contused Lacerated wounds	03	042	045	043	00	000	000	02	0680
103. Stabs ...	00	016	016	014	00	000	001	01	0112
104. Contractures ...	01	004	005	000	05	000	000	00	0004
105. Sinuses ...	02	009	011	005	02	000	000	04	0040
106. Cysts ...	00	011	011	011	00	000	000	00	0026
107. Other Diseases of Skin and Cellular Tissue ...	00	044	044	036	07	000	000	01	0509
Total ...	17	319	336	288	22	000	003	23	3297
Bones, etc.									
108. Diseases of Bones ...	02	067	069	034	28	004	000	03	0087
109. Diseases of Joints ...	01	062	063	019	30	012	000	02	0277
110. Diseases of Muscles ...	00	004	004	004	00	000	000	00	0014
111. Conzenital Malformations	00	013	013	006	04	001	001	01	0013
Total ...	03	146	149	063	62	017	001	06	0391
Others.									
112. Rickets ...	00	000	000	000	00	000	000	00	0010
113. Scurvy ...	00	000	000	000	00	000	000	00	0004
114. Pellagra ...	00	000	000	000	00	000	000	00	0001
115. Diabitis ...	00	004	004	003	00	000	000	01	0010
116. General Debility ...	02	017	019	004	12	000	001	02	0022
117. Poisioning ...	01	027	028	026	00	000	002	00	0008
118. Pyrexia ...	02	041	043	038	00	000	002	03	0454
Total ...	05	089	094	071	12	000	005	06	0509
Violence, etc.									
119. Fracture Vault and Base, skull ...	00	003	003	002	00	000	001	00	0000
120. Fracture of Lower Jaw and Facial Bones ...	00	007	007	000	07	000	000	00	0000
121. Fracture Spinal Column	00	004	004	003	00	000	001	00	0000
122. Fracture Ribs ...	00	008	008	002	06	000	000	00	0008
123. Fracture Clavide ...	01	005	006	002	04	000	000	00	0010
124. Fracture Scapula ...	00	001	001	000	01	000	000	00	0000
125. Fracture Humerus ...	01	003	004	001	01	000	000	02	0000
126. Fracture Radius and Ulna	00	003	003	003	00	000	000	00	0024
127. Fracture Carpal, Metacarpal and Phalanges ...	00	000	000	000	00	000	000	00	0030
128. Fracture Pelvis Excluding Sacrum ...	00	002	002	000	02	000	000	00	0000
129. Fracture Femur ...	02	008	010	003	05	000	000	02	0000
130 Fracture Patella ...	00	002	002	002	00	000	000	00	0000
131. Fracture Tibia and Fibula	01	004	005	001	02	000	000	02	0002
132. Fracture Tarsal Metatarsal and Phalanges ...	00	004	004	002	02	000	000	00	0000
Total ...	05	054	059	021	30	000	002	06	0074
Contusions and other injuries ...	02	078	080	068	07	001	000	04	0330

Nature of Diseases.	Remained.	Admitted.	Total in-patients.	Cured.	Discharged.			Remaining.	Out-patients.
					Relieved.	Otherwise.	Died.		
Diseases of the Female Generative Organs									
134. Endometritis ...	00	001	001	000	01	000	000	00	0026
135 Cervicitis and Endocervicits ...	00	020	020	008	12	000	000	00	0245
136. Salphingitis, Oopharitis and Salphingo-oopharitis	01	003	024	008	14	000	001	01	0013
137 Vaginitis ...	00	000	000	000	00	000	000	00	0055
138. UterineDisplacements ...	04	061	065	050	12	000	000	03	0066
139. Recto-Vaginal Fistula									
140. Vescico Vaginal Fistula ...	00	000	003	000	00	003	000	00	0044
141. Amenorrhoea ...	00	010	010	000	00	010	000	00	0165
142. Dysmenorrhoea ...	00	004	004	000	02	002	000	00	0130
143. Menorrhagia ...	00	000	000	000	00	000	000	00	0105
144. Metropathia Haemorrhagica	00	000	000	000	00	000	000	00	0003
145. Sterility ...	02	098	100	010	00	088	000	02	0198
146. Abortions ..	01	064	065	056	07	000	000	02	0035
147. Ectopic Gestation ...	00	003	003	003	00	000	000	00	0000
148. Uterine Tumours ...	00	018	018	017	00	000	000	01	0018
149. Ovarian Cysts ...	01	007	008	007	00	001	000	00	0007
150. Pregnancy, etc. ..	11	615	626	612	00	000	003	11	0532
Total ..	20	927	947	771	48	140	004	20	1602
151. Ill-defined Diseases ...	00	028	028	000	28	000	000	00	1321
152. Dental Diseases ..	00	000	000	000	000	000	000	00	5201
Grand Total ...	112	3814	3926	2418	798	379	187	142	22,243

BAI YAMUNABAI L. NAIR CHARITABLE HOSPITAL

Classiffcations of Operations performed at the Bai Yamunabai L. Nair Charitable ffiospital during the year 1947.

Names of Operations.	Remained	No. of operations (Total).	Cured.	Results.		Died.	Remained	Out-patients.
				Relieved.	Discharged.			
1. Excision of benign neoplasms ...	01	19	17	01	01	00	00	00
2. Removal of malignant neoplasms ...	00	08	00	06	00	02	00	00
3. Removal of scar tissue growths ...	01	05	00	05	00	00	00	00
4. Radiation Radium ...	00	02	00	01	01	00	00	00
5. Exicision-cysts ...	00	11	11	00	00	00	00	15
6. Incision Evacuation and drainage of Abscesses ...	05	104	104	00	00	00	07	516
7. Aspiration of fluids from joints, thorax, etc. ...	01	26	22	04	00	00	00	00
8. Scraping sinuses ...	02	11	05	02	00	00	04	29
9. Tappping of Ascitis ...	00	48	00	48	00	00	00	00
10. Tapping of Hydrocoeles ...	00	00	00	00	00	00	00	46
11. Incisions, for Cellulitis, Carbuncles, etc. ...	01	28	27	00	00	00	02	11
12. Removal of foreign bodies from tissues	00	06	06	00	00	00	00	05
13. Skin grafting ...	00	10	10	10	00	00	00	00
14. Plastic operation ...	01	05	05	00	00	00	00	00
15. Operation on Muscles, Tendons, Bursae, etc. ...	00	32	32	00	00	00	00	06
16. Operation on Joints ...	00	03	03	00	00	00	00	00
17. Amputations ...	00	13	08	00	00	04	01	00
18. Osteotomies ...	00	13	06	04	01	01	01	00
19. Other operations on Bones ...	02	67	34	28	04	00	03	00
20. Setting of Fractures ...	05	22	16	03	00	02	06	52
21. Injectionpiles ...	00	00	00	00	00	00	00	12
22. Thyroidectomies (Partial) ...	00	06	06	00	00	00	00	00
23. Removal of Breats for Malignant Growths ...	00	03	00	03	00	00	00	00
24. Other operations on breast ...	06	06	06	00	00	00	00	00
25. Ligature of arteries ...	00	03	03	00	00	00	00	25
26. Operations on viens ...	00	01	01	00	00	00	00	05
27. Excision of Lymphatic Glands ...	00	27	21	05	00	00	01	00
28. Resection Trigeminal Ganglion ...	00	02	02	00	00	00	00	00
29. Excisionpiles ...	03	22	20	00	00	00	05	00
30. Operations on Spinal Column ...	00	03	01	02	00	00	00	00
31. Operations on Trachea ...	00	02	00	00	02	00	00	00
32. Ventriculography ...	00	03	00	00	00	03	00	00
33. Operations on Thorax ...	00	15	14	02	01	00	00	00
34. Operations on Nerves ...	00	23	00	23	00	00	00	00
35. Operations on Salivary Gland ...	00	02	02	00	00	00	00	00
36. Gastrectomy Partial ...	00	07	05	00	00	02	00	00
37. Operations on jejunum Ilium ...	00	01	00	00	00	01	00	00
38. Appendisectomies ...	03	47	47	00	00	02	01	00
39. Operations on Coecum ...	00	04	03	00	00	01	00	00
40. Operations on Colon ...	00	01	01	00	00	00	00	00
41. Operations on Rectum and Anus ...	00	01	01	00	00	00	00	00
42. Herniotomies ...	04	70	70	00	00	00	04	00
43. Herniotomy for Strangulated Hernia ...	00	08	08	00	00	00	00	00
44. Exploratory Laparotomes ...	00	13	10	00	00	03	00	00

Names of Operations	Remained	No. of operation (Total)	Cured.	Results.		Died.	Remaining.	Out-patients.
				Relieved.	Discharged.			
45. Operations on Gall Bladder and Liver	00	08	07	00	00	01	00	00
46. Cholesistectomy ...	00	02	02	00	00	00	00	00
47. Removal of spleen ...	00	01	01	00	00	00	00	00
48. Radical cure Hydrocoele ...	00	79	79	00	00	00	00	00
49. Prostectomy ...	00	03	02	00	00	01	00	00
50. Circumsicions ...	00	00	00	00	00	00	00	11
51. Nephrectomy ...	00	01	01	00	00	00	00	00
52. Nephro Lithotomy ...	00	01	01	00	00	00	00	00
53. Supra Public Lithotomy ...	00	04	04	00	00	00	00	00
54. Dilatation Urethra ...	00	26	00	26	00	00	00	00
55. Tonsillectomies ...	00	53	53	00	00	00	00	00
56. Antrotomies ...	00	01	01	00	00	00	00	27
57. Resection Deviated Nasal Septum	00	02	02	00	00	00	00	00
58. Polypus Nose ...	00	09	09	00	00	00	00	00
59. Oesophagoscopy ...	00	04	00	00	04	00	00	00
60. Vagotomy for Stomal Ulcer ...	00	01	01	00	00	00	00	00
61. Repair of Urethra ...	00	04	01	01	01	01	00	00
62. Cataract ...	00	08	08	00	00	00	00	00
63. Parasynthesis ...	00	01	01	00	00	00	00	00
64. Entropion correction ...	00	02	01	01	00	00	00	00
65. Iredectomy ...	00	04	00	04	00	00	00	00
66. Enucelation Eye Ball ...	00	01	00	01	00	00	00	00
67. Operation on Uterus ...	04	62	55	05	00	01	05	00
68. Operations on Cervix ...	01	62	61	00	00	00	02	00
69. Vesico Vaginal Fistula ...	00	02	00	00	02	00	00	00
70. Operation son Fallopion Tubes and Broad Ligaments ...	00	08	07	00	00	01	00	00
71. Operations on Ovaries ...	00	07	07	00	00	00	00	00
72. Operations on Perineum and Vagina	01	10	09	00	00	00	02	00
Total ...	35	1067	836	175	15	28	45	760

B. Y. L. NAIR CHARITABLE HOSPITAL

Summary of out-patients classified according to Departments and sex for year 1947-48.

Department.	Sex	O. P. D. New cases.	Casualty cases.	Total of O. P. D. and casualty cases.	Old cases.	Grand Total.
Medical ...	Male ...	3,542	...	3,542	5,629	9,171
	Female ...	1,585	...	1,585	2,028	3,813
	Children ...	...	...	...	...	...
	Male ...	435	...	435	659	1,094
	Female ...	448	...	448	518	966
Surgical ...	Male ...	2,052	1,203	3,255	4,795	8,050
	Female	287	276	563	1,493	2,056
	Children ...	...	...	...	...	...
	Male ...	106	42	148	141	289
	Female	70	15	85	336	421
Obstetrics ...	Female	532	...	532	...	532
Gynaecology ...	Female ...	1,077	...	1,077	3,291	4,368
Aural ...	Male ...	961	15	976	1,412	2,388
	Female ...	433	...	433	707	1,140
	Children ...	...	...	...	...	...
	Male ...	122	...	122	224	346
	Female ...	84	...	84	149	233
Ophthalmic ...	Male ...	1,325	100	1,425	2,750	4,175
	Female ...	516	...	516	760	1,276
	Children ...	...	...	...	...	...
	Male ...	114	...	114	198	312
	Female	39	...	39	126	165
Dental ...	Male ...	3,682	25	3,707	3,840	7,547
	Female ...	1,366	...	1,366	1,675	3,041
	Children ...	...	...	...	...	...
	Male	81	...	81	346	427
	Female ...	47	...	47	170	217
Skin and Venereal ...	Male ...	1,118	...	1,118	1,461	2,579
	Female ...	293	...	293	630	923
	Children ...	...	...	...	...	...
	Male ...	135	...	135	197	332
	Female ...	117	...	117	130	247
Grand Total ...		20,567	1,676	22,243	33,665	55,908

Summary of out-patients according to Caste for the year 1947.

Cases.	Male	Female	Male children	Female children	Total
Hindus ...	22,449	9,968	1,448	1,219	35,084
Mahomedans ...	5,663	3,334	631	458	10,086
Christians ...	4,887	2,971	494	431	8,783
Others ...	911	676	227	141	1,955
Total ...	33,910	16,949	2,800	2,249	55,908

Summary of in-patients treated in the Bai Yamunabai L. Nair Charitable Hospital during the year 1947 classified according to Department and Sex.

Department.	Sex	In Hospital on midnight 31-12-1946.	Admitted during the year.	Total.	Discharged during year.	Died during the year.	In Hospital on midnight 31-12-1947.
Medical ...	Male ...	25	1,058	1,083	938	110	35
	Female ...	19	431	450	393	37	20
	Children ...	00	0000	00	0	0	0
	Male ...	...	35	35	25	8	2
	Female ...	...	24	24	22	...	2
Surgical ...	Male ...	34	865	899	839	18	42
	Female ...	10	244	234	231	9	14
	Children ...	...	...	...	...	...	...
	Male ...	...	24	24	22	...	2
	Female ...	...	18	18	16	1	1
Gynaecology ...	Female ...	9	312	321	311	1	9
	Male ...	...	1	1	1	...	...
Maternity ...	Female ...	11	615	626	312	3	11
Ophthalmic ...	Male ...	...	23	23	23	...	...
	Female ...	...	3	3	3	...	...
	Children ...	...	...	...	...	...	...
	Male ...	...	1	1	1	...	...
	Female ...	...	...	...	...	...	...
Skin and Venereal ...	Male ...	01	78	79	77	01	01
	Female ...	...	23	23	22	...	01
	Children ...	...	...	...	...	...	...
	Male ...	...	1	1	1	...	...
	Female ...	...	...	...	...	...	...
Aural ...	Male ...	03	19	22	20	01	01
	Female ...	...	36	36	35	...	01
	Children ...	...	...	...	...	...	...
	Male ...	...	1	1	1	...	...
	Female ...	...	3	3	3	...	...
Total ...	Male ...	63	2,043	2,106	1,897	130	97
	Female ...	49	1,664	1,713	1,607	50	56
	Children ...	...	...	...	...	...	...
	Male ...	...	62	62	50	8	4
	Female ...	...	45	45	41	1	3
Grand Total		112	3,814	3,026	3,595	189	142

NAIR HOSPITAL DENTAL COLLEGE.

Administration Report of the Nair Hospital Dental College for the Year 1947-48.

The out-door dental department of the Bai Yamunabai L. Nair Charitable Hospital was raised in the year 1933 to a full fledged Dental College, namely the Nair Hospital Dental College to train students in dental science. The College now possesses 26 Dental Chairs and two well equipped dental laboratories and is considered one of the best dental colleges in the East. It is now recogniced by the Central and Provincial Government of Bombay and many Foreign University Dental Colleges in U.S.A., Canada, Great Britain, France, Australia and New Zealand. The Licentiates of this College are eligible for permanent Commission in the Indian Army Dental Corps and can go on the Dental Register of the Indian Dominion. The College admits students for four years' dental course leading to the College Diploma of L.D.Sc. (Bom.). Matriculation is the minimum qualification required for admission. The Final L.D.Sc. Diploma Examination is conducted by the Joint Board of Examiners nominated by the Government of Bombay and appointed by the Advisory Dental Board of the College. L.D.Sc. (Bom.), Diploma holders are eligible to appear for the Final L.D.S., R.C.S., Examination of the Royal College of Surgeons, England, after putting an attendance of only 6 months' in any of the recognised dental hospitals in Great Britain. In addition to training of students in dentistry, the College runs a dental clinic where poor and middle class patients of the City are relieved of their dental ailments at a nominal charge only to cover the expenses of the materials used. As per Municipal Corporation Resolution No. 1394 of 16-2-1948, fees are now levied only for restrorative treatment such as, silver, cement, gold fillings, and artificial sets of teeth, etc., and no fee is charged for curative treatments, *e.g.*, extractions, abscess, pyorrhoea treatments, etc., All patients are treated irrespective of caste, creed, race or nationalities. During the period under report an out-standing event in the History of this College is the visit of Shrimati Rajkumari Amrit Kaur, Hon. Minister of Health, Government of India, on 20-2-1948, when His Worship, the Mayor of Bombay presided over the meeting held at th College premises.

Dr. V. M. Desai, D.D.S., F.I.C.D., was in the charge of the College as its Dean during the period under report. There are 6 qualified Dental Surgeons, 11 Medical Lecturers and 14 Demonstrators on the Staff who are working part-time. The Hon. Teaching Staff, the Administrative and the labour staff have been confirmed in Municipal Service with effect from 1-11-1947. A list of the Teaching Staff is appended hereto.

Uptill now 114 Graduates have passed out from the Institution, hailing from all parts of India, China West Indies, South Africa, Malaya and Mauritious Island. During the year under report there were 80 students including 18 lady students, on the Roll, The Diploma Examination was held in May and November 1947 and 13 students including 3 lady students, passed the Examination and received the College Diplomas.

Students on the Roll.

Class.	Male.	Female.	Total.
1st L.D.Sc. Class	27	10	37
2nd L.D.Sc. Class	16	2	18
3rd L.D.Sc. Class	8	2	10
Final L.D.Sc. Class	11	4	15
Total Students ..	62	18	80

Results of Examinations.

Final L.D.Sc. Examination held in May 1947.
No. appeared .. 8. No. pass .. .. 3. Males .. 2. Females .. 1.
Final L.D.Sc. Examination held in November 1947.
No. appeared .. 11. No. passed .. 10. Males. .. 8. Females .. 2.

Resume of work done in the Clinic.

Total patients treated .. 12,451 (belonging to all communities)
Males .. 8,336. Females .. 3,242. Children .. 873. Hindus .. 6,568,
Muslims .. 1,726. Christians .. 3,494. Parsis .. 393. Jews .. 270.

Work done in the Clinic.

Full Denture sets	87	Consultations	1,977
Partial sets	54	Medications	1,275
Repair of sets	40	Gold work	12
Gold Bridges	3	Prescritions	19
Gold in lays	8	Electric Treatment	5
Silver fillings	299	Extraction under local Anesthesia ..	5,164
Porcelain fillings	22	Do. under General ..	37
Temporary fillings	167	Extraction of Roots	860
Zinc oxide fillings	163	Abscess treatment	118
Cement fillings	11	Alveolectomy	38
Scaling of teeth	1047	Orthodontia treatment (Regulation of teeth of children)	5 (Completed cases)
Root canal treatment	280	Dental X Rays	280

For the year 1947-48, a total reveune of Rs. 33,400-13-0 has been collected by way of fees from the students and patients. The total expenditure incurred during the period under report comes to Rs. 45,105-1-9 out of a total Budget Grant of Rs. 65,136. A donation of Rs 250/- was received from Mesrss. N. M. Wadia Charities.

V. M. DESAI,
Dean, N. H. Dental College.

Advisory Dental Board.

MR. M. VENKATRAO,
DR. V. M. DESAI, D.D.S., F.I.C.D., *Dean.*
DR. H. V. TILAK, B.Sc., M.B., B.S. (Bom. & Lond.), F.R.C.S. (Edin.), F.C.P.S.,
DR. S. NORONHA, M.B.E., J.P., N.Hy., D.T.M. & H. (Eng.), D.T.M. (Lond.), L.M. & S., F.C.P.S.
DR. VERO P. DESA, D.D.S., F.I.C.D.
DR. H. D. MERCHANT, D.M.D., F.I.C.D.

Academic Council.

DR. V. M. DESAI, D.D.S., F.I.C.D., *Dean.*
DR. VERO P. DESA, D.D.S., F.I.C.D.
DR. H. D. MERCHANT, D.M.D., F.I.C.D.
DR. M. S. GINWALLA, L.D.Sc., D.D.S., M.S.
DR. A. B. C. NORONHA, M.S.
DR. J. L. SALDHANA, M.B., B.S., B.M.S.
DR. B. C. DORESWAMY, L.C.P.S., D.M.R.

Members of the Teaching Staff.

DR. V. M. DESAI, D.D.S., F.I.C.D., *Dean, Head of the Prosthetic and Crown and Bridge Departments, Professor in Dental Prosthesis and Superintendent of the Dental Hospital.*
DR. C. B. SHROFF, M.B. B.S., *Lecturer and Demonstrator in Dental Prosthesis.*
DR. H. H. THAKOR, L.D.Sc., *Lecturer and Demonstrator in Dental Prosthesis.*
DR. H. V. RAU, L.D.Sc., D.R.D.V., *Lecturer and Demonstrator in Crown and Bridge.*
DR. B. REBEIRO, L.D.Sc., *Demonstrator in Crown and Bridge.*
DR. N. J. VASAVADA, L.D.Sc., *Demonstrator in Dental Prosthesis.*
DR. MISS R. J. EZEKIEL, L.D.Sc., *Clinical Assistant, Dental Prosthesis.*
DR. V. P. DESA, D.D.S., F.I.C.D., *Head of the Operative Department and Professor in Preventive Principles in Dentistry, Practice Management, Pre-clinical and Clinical Dentistry, Oral Medicine and Children's Dentistry*
DR. W. SIQUERA, L.D.Sc., *Demonstrator in Operative Dentistry.*
DR. G. D. PATEL, L.D.Sc., *Lecturer in Oral Anatomy, Materials in Dentistry, Oral Prophylaxis and Demonstrator in Operative Dentistry.*
DR. B. R. HEGDE, L.D.Sc', *Demonstrator in Oral Anatomy.*
DR. M. N. SURTI, L.D.Sc., *Clinical Assistant, Operative Clinic.*
DR. G. G. UPADHAYA, L..D.Sc., *Clinical Assistant, Prophylaxis Clinic.*
DR. H. D. MERCHANT, D.M.D., F.I.C.D., *Head of the Orthodontia Department and Professor in Orthodontia.*
DR. S. M. MUNIM, L.D.Sc., *Clinical Assistant and Demonstrator in Orthodontia.*
DR. J. M. D'COSTA, L.D.Sc., *Demonstrator in Orthodontia.*
DR. (MRS.), T. M. S. GINWALLA, D.D.S., *Head of the Periodontia Department.*
DR. M. S. GINWALLA, L.D.Sc., D.D.S., M.S., *Head of the Oral and Plastic Surgery Department and Professor in Oral Surgery.*
DR. R. B. RAUT, L.D.Sc., *Lecturer in Exodontia and Local Anesthesia and Clinical Assistant to Oral Surgery Department.*
DR. J. D. LIMA, L.D.S., R.C.S., *Professor in Dental Pathology.*
DR. A. B. C. NORONHA, M.S., *Lecturer in General Suregery.*
DR. S. C. SETH, M.D., *Lecturer in General Medicire.*
DR. S. S. RAO, M.D., *Lecturer in Materia Medica and Dental Theurapeutics.*
DR. J. L. SALDANHA, M.B., B.S., B.M.S., *Lecturer in General Pathology.*
DR. P. V. TILAK, B.Sc., M.B., B.S., *Lecturer in General and Dental Bacteriology.*
DR. M. N. BILLIMORIA, L.C.P.S., *Lecturer in Histology.*
DR. V. G. KALE, M.B., B.S., *Lecturer in General and Comparative Anatomy.*
DR. B. C. DORESWAMY, L.C.P.S., D.M.R., *Lecturer in Radiology.*
DR. D. S. JOGLEKAR, L.C.P.S., *Lecturer in General Anesthesia.*
DR. S. B. PARCHURE, B.Sc., M.B., B.S., *Lecturer in General and Special Physiology.*
MR. B. S. TORGALKAR, B.Sc., *Lecturer in Physics, Biology, Metallurgy and Chemistry.*

Hon. Consultants.

DR. S. PATRO, B.Sc., M.D., M.S.
DR. R. T. DESAI, M.B., B.S., D.L.O., F.R.C.S.
DR. P. F. SOONAWALLB, M.D.,

LEGAL ASSISTANT.

Subject: *Administration Report for the year 1947-48*

During the year under review I held the charge of this Department.

This Department has been attending to the following work:—

(1) Police Court Cases: (2) Small Causes Court Suits including References: (3) High Court matters including Appeals and Revision Applications: (4) Attendance before public officers: (5) Conveyancing matters, such as Sale deeds, Leases, Agreements, etc. (6) Advices and opinions including advice on documents: (7) Amendments of Municipal Act: and (8) Assessment Appeals.

During the year under report 3,500 files were received from the Department and 2,090 letters were written to outside parties or their Legal advisers: opinions in various Departmental matters and advices on about 173 documents and other documents were given.

36 High Court Suits, 6 High Court Revision Applications, 2 High Court Criminal Appeals, 68 Small Causes Court Suits, 17 Small Causes Court References, 129 Police Court Cases, 1 Application before the Commissioner Workmen's Compensation and 27 Assessment appeals were attended to and dates for adjournment were obtained in 27 cases.

As regards the High Court Suits, the information is given in a summary form below:—

Serial No.	Suit No.	Name of parties.	Nature of the suit.	Remarks.
1	52 of 1936 ...	Municipal Corporation *vs.* Gulamali Haji Karmali and others.	For determining the lease in respect of plot No. 28 of Nowroji Hill Estate of the Board and for delivering possession of the premises demised by the lease together with buildings and structures and for arrears of rent and compensation.	In this matter a decree was passed and possession of the premises was given by the Court Receiver. Various amounts have also been received towards decretal amount and further steps for recovery of the balance from the 1st defendant are being taken in execution of the decree as information has been received that the said Defendant owns certain property.
2	1890 of 1939 ...	Yusufally R. Bodhawala *vs.* Municipal Corporation.	Suit inter alia for a declaration that plaintiff had exclusively prescriptive right to use certain Municipal latrines and that he had acquired a title by adverse possession to certain other Municipal latrines at Cochin Streets	Consent Decree was passed on 15th August 1945 and the parties are arranging to carry out the terms of the decree.
3	564 of 1940 ...	Municipal Corporation *vs.* Shirinbai.	For ejectment and possession and for arrears of rent, etc.	Decree was passed and possession of the premises was handed over. For arrears the Decree was executed by attachment of the defendant's interest in certain Government papers lying with the Municipality by way of deposit. The Government papers were sold by the Sheriff and a certain amount was realised out of the sale proceeds in part satisfaction of the Decretal amount.
4	2085 of 1940 ...	Municipal Corporation *vs.* Manu Pranjivandas.	For property taxes ...	Under the preliminary Decree and the Decree Absolute for sale passed, the property was sold by the High Cour and full claim realised.
5	2109 of 1940 ...	Municipal Corporation *vs.* Haji Hasam Vallad Kassum.	Do.	Do.
6	223 of 1943 ...	Municipal Corporation *vs.* Khatijabai Rupawala.	For ejectment and possession and for arrears of rent, etc.	Decree was executed and the property was attached. Before however the warrant of attachment could be full executed, on payment by the party of a substantial amount towards the decretal amount it was agreed that no steps should be taken till 7th August 1948. The matter will be proceeded with further, if necessary, on receipt of instructions.
7	1490 of 1943 ...	Kanji Shamji *vs.* Goolbanoobai and others.	Administration suit by Kanji Shamji for administration of the Estate of the deceased Dostmahomed Ismail Janmahomed.	Claim for arrears of property taxes was lodged before the Commissioner, High Court, and the amount was realised except a small amount for interest which will be recovered.
8	512 of 1944 ...	Municipal Corporation *vs.* Haridas Tricumdas Thakkar and others.	For determining the Lease for possession and for arrears of rent, etc.	Decree was obtained and executed and the Court has issued a Writ of possession which will be executed on receipt of certain instructions from the Estate Agent and Land Manager.
9	711 of 1944 ...	Gordhandas Vandravandas *vs.* Municipal Corporation.	For malicious prosecution and damages.	Suit was settled at the hearing and by consent the same was allowed to be dismissed with no order as to costs.
10	744 of 1944 ...	Mehedy Rajabally *vs.* Municipal Corporation.	For damages in respect of certain apples deposited in the cold storage room at the Arthur Crawford Market.	Suit settled at the hearing and was allowed to be dismissed on payment of Rs. 1,000 by the Corporation to the Plaintiff's Attorneys, for their costs.
11	937 of 1944 ...	Municipal Corporation *vs.* Ram Kuber Ram Baghoo and others.	For ejectment and for exhumation of the dead body by the Defendants.	Suit transferred to the list of Long Causes by Court on the Written Statement being filed. The matter has since been settled and a Consent Decree (on receipt of the sanction of the Standing Committee) has been obtained.

Serial No.	Suit No.	Name of Parties.	Nature of the suit.	Remarks.
12	1591 of 1944 ...	Municipal Corporation *vs.* Ratilal Kamalsi and another.	For property taxes ...	Under preliminary Decree and the Decree Absolute for sale passed, the property was sold by Court and the claim was fully realised except for a small amount for balance of costs which is irrecoveralbe.
13	(S. C. Ct. Suit) 6652 of 1944.	Municipal Corporation *vs.* Haji Hassam Vallad Kassam.	For expenses incurred in respect of pulling down defendant's structure.	The S. C. Ct.'s Decree transferred to the High Court for execution and decretal amount fully realised.
14	1008 of 1945 ...	Narendra Jamnadas *vs.* Municipal Corporation.	For damages in respect of injury sustained by the plaintiff.	Consent Decree for Rs. 2,000 in favour of the plaintiff passed.
15	1164 of 1945 ...	Municipal Corporation *vs.* Bai Anusuyabai.	For property taxes ...	Preliminary Decree on charge passed on 26-6-1947.
16	1343 of 1945 ...	Municipal Corporation *vs.* Bai Noorbanoo and others.	Do.	Suit allowed to be dismissed on claim being paid up.
17	1442 of 1945 ...	Municipal Corporation *vs.* Hasham Miya Haji Mahomed Patel and others.	Do.	Do.
18	1664 of 1945 ...	Messrs. Trinity Timber Syndicate *vs.* Municipal Corporation.	For refund of deposit ...	Suit settled at the hearing and was allowed to be dismissed on payment of Rs. 2,000 (out of Rs. 2,500 deposited by the plaintiffs with their tender.)
19	2146 of 1946 ...	Yeshoda Benjamin Fredricks *vs.* Municipal Corporation.	For damages in respect of injury caused by a Municipal lorry.	Written Statement filed. Suit pending.
20	2180 of 1946 ...	Anandappa Kallianappa *vs.* Municipal Corporation.	Do.	Do.
21	2446 of 1946 ...	Municipal Corporation *vs.* Liladhar Govindji and others.	For property taxes ...	Suit allowed to be dismissed on payment of claim.
22	20 of 1947 ...	J. Hallegua *vs.* Municipal Corporation.	Pauper petition for leave to file a suit in forma pauperis for revocation of license and for damages.	Petition was withdrawn during investigation by Court.
23	704 of 1947 ...	Ronga Khandoo *vs.* Municipal Corporation.	For damages for wrongful dismissal.	Written Statement filed. Suit pending.
24	705 of 1947 ...	Khairoo Khandoo *vs.* Municipal Corporation.	Do.	Do.
25	792 of 1947 ...	Municipal Corporation *vs.* Khatizabai.	For property taxes ...	Preliminary decree on charge passed on 27-7-1948.
26	2899 of 1947 ...	E. S. Marker and others *vs.* Municipal Corporation.	For an order that the Plaintiffs *inter alia* are entitled to obtain a lease of plot No. 461 (C) of Dadar Matunga Estate from the Corporation.	Corporation is made a formal party. No relief is claimed against them.
27	3163 of 1947 ...	Municipal Corporation *vs.* Hooseinbhoy A.Laljee and others.	For property taxes ...	Suit pending.
28	3799 of 1947 ...	Municipal Corporation *vs.* Rehmabai and others.	Do. ...	Suit pending. The party has paid certain amounts towards the claim and a decree for the balance will be taken if the same is not paid.
29	3776 of 1947 ...	M. Gulamally *vs.* Municipal Corporation.	For refund of deposit ...	Suit dismissed with costs
30	3901 of 1947 ...	Municipal Corporation *vs.* Dadabhoy T. Parel.	For ejectment and possession ...	Decree for possession obtained and Defendant given time by the Court upto 25-2-1949 to vacate with liberty to remove the structure.
31	4041 of 1947 ...	Lookmanji Alibhoy *vs.* Municipal Corporatio.n	Suit under the Rent Restriction Act in respect of two Market Stalls.	Suit transferred to the list of Long Causes.
32	100 of 1948 ...	Khansaheb Ramzanally *vs.* Municipal Corporation.	For recovery of certain amount in respect of milk supplied.	Plaintiff is dead and his legal representatives do not wish to proceed therewith and have proposed to allow the suit to be dismissed pro vided the Corporation paid to them the amount, if any, due to the estate of the deceased.
33	181 of 1948 ...	Municipal Corporation *vs.* Mahomed Zakeria Maniar and others.	For arrears of property taxes ...	Party paid up the claim except a small amount for interest and costs
34	326 of 1948 ...	Yeshwant Dhondiba Banker *vs.* Municipal Corporation.	For damages on account of Plaintiff's dismissal.	Written Statement of the Defendants filed. Suit pending.
35	651 of 1948 ...	Municipal Corporation *vs.* Ahmed Nawaz Mistry and others.	For property taxes ...	Suit pending.
36	1081 of 1948 ...	Municipal Corporation *vs.* Shankar Limbaji Ozarkar and others.	Do. ...	Do.

25 Conveyances, 8 Agreements, 11 Declarations and Indemnity Bonds, 62 Leases, 24 Surrenders of Leases, 46 Licenses to Assign, 4 Licenses and Deeds of Covenant, 75 Temporary agreements and leases and other documents were completed.

MANBHOY B. MANIAR,
Legal Assistant.

EDUCATIONAL.

THE SCHOOLS COMMITTEE OF THE BOMBAY MUNICIPALITY.

Subject: *Administration Report for the year 1947-48.*

The Committee's personnel.

The Schools Committee at the end of the year 1946-47 consisted of the following Members:—

(1) Mr. Ganpatishankar N. Desai, (*Chairman*).
(2) Mr. Y. K. Khadilkar.
(3) Mr. B. M. Khandray.
(4) Mr. Mirza Akhtar Hasan, B.A., LL.B., M.L.A.
(5) Mr. Fatekhan A. Munshi.
(6) Mr. Bhanushankar M. Yagnik.
(7) Dr. B. H. Rajadhyaksha, M.B.B.S.
(8) Dr. T. R. Naravane, B.A., A.V.V. (T.U.), L.M. (Rot.), Z.G.S. (Vienna).
(9) Mr. Kashi Prasad Singh.
(10) Mr. V. R. Tulla, B. Ag.
(11) Mr. V. B. Worlikar.
(12) Mrs. Khadija Shuffi Tyabji, M.L.A., J.P.
*(13) Mr. Dhirubhai M. Desai, B.A., B.T., Dip. Ed. (Edin.).
*(14) Mr. P. R. Lele, B.A., LL.B.
*(15) Mrs. Maniben Nanubhai Desai, G.A.
*(16) Mrs. Sulochana M. Mody, M.A.

Under Section 39(4)(*bb*) of the Municipal Act, eight of these Members retired from Office on the first day of April 1947, and under Section 39(4)(c) of the Act, their places were filled up by the Municipal Corporation from the same date. The Committee thus formed on 1st April 1947 for the year under report, consisted of the following Members:—

(1) Dr. T. R. Naravane, B.A., A.V.V. (T.U.), L.M. (Rot.), Z.G.S., (Vienna).
(2) Mr. Suleman M. A. Darvesh.
(3) Mr. Ganpatishankar N. Desai.
(4) Mr. Y. K. Khadilkar.
(5) Mr. Mirza A. Hasan, B.A., LL.B., M.L.A.
(6) Mr. Gordhandas G. Morarji.
(7) Dr. B. H. Rajadhyaksha, M.B.B.S.
(8) Mr. Kashi Prasad Singh.
(9) Mr. V. R. Tulla, B. Ag.
(10) Mr. V. B. Worlikar.
(11) Mr. Bhanushankar M. Yagnik.
(12) Mrs. Khadija Shuffi Tyabji, M.L.A., J.P.
*(13) Mr. P. R. Lele, B.A., LL.B.
*(14) Mr. Dhirubhai M. Desai, B.A., B.T., Dip. Ed. (Edin.).
*(15) Mrs. Maniben Nanubhai Desai, G.A.
*(16) Mrs. Sulochana M. Modi, M.A.

On the newly formed Committee, two new Councillor Members were thus appointed from 1st April 1947 in the places of an equal number of outgoing members.

The Committee at their first meeting held on 2nd April 1947, elected Dr. T. R. Naravane to be their Chairman for the year.

Mr. Ganpatishankar N. Desai, resigned his seat from 1st May 1947 and the Corporation appointed Mr. T. H. Sonavane in the said vacancy from 5th May 1947. Mr. Gordhandas G. Morarji, the newly appointed Councillor Member on the Committee, resigned his Membership of the Committee from 23rd June 1947. In the vacancy thus caused Mr. S. B. Mahadeshwar was appointed by the Corporation from 7th July 1947. The latter, however, resigned from 10th November 1947 and again the Corporation appointed Mr. Gordhandas G. Morarji, in the consequent vacancy from 18th November 1947. There was no other change in the personnel of the Committee during the rest of the year.

Miss K. Khandvala, B.A., B.T. (Bom.), M.A., (U.S.A.), Secretary, Schools Committee was on leave, during the course of the year, for a short period of one week from 3rd of January to 9th of January 1948. No officiating arrangement was made for this short period.

2. Meetings.

The Schools Committee held 53 Meetings in all during the year. The number of meetings of the various Sub-Committees held during the year was 38.

3. Municipal Schools and pupils.

The year under report was, despite expectations, far from normal. Two momentous events occurred during the year, *viz.*, (1)partition of the country followed by the dawn of Independence on 15th August 1947 and, (2) the passing away of Mahatma Gandhi, the Father of the Nation, under tragic circumstances, on 30th January 1948. Both these events were, respectively,preceded by and followed by widespread distrubances in different parts of the Country. The condition of the City was also affected adversely on account of these occurances and as a result the general progress of Municipal Schools and their administration suffered a great deal. The following table will show the numbers of schools and pupils as on 31st March 1948 along with those on the same date of the previous year. A glance at this table will reveal that there is a substantial rise in the number of pupils on rolls (13 089) at the end of the year under report in spite of the unfavourable circumstnces mentioned above. This is largely due to th fact that the number of pupils at the end of the previous year had gone down considerably, as already explained in the report for the year.

* Non-Councillor Members.

Class of Schools.	No. on 31st March 1947.		No. on 31st March 1948.	
	Schools.	Pupils.	Schools.	Pupils.
Marathi Boys' Schools ..	107	38,696	107	46,277
Marathi Girls' Schools ..	69+1 Class	24,137	69+1 Class.	27,298
Total ..	176+1 Class.	62,833	176+1 Class.	73,575
Gujarati Boys' Schools ..	48+3 Classes.	9,514	48+4 Classes.	10,347
Gujarati Girls' Schools ..	27+4 Classes.	8,085	26+4 Classes.	8,419
Total ..	75+7 Classes.	17,599	74+8 Classes.	18,766
Urdu Boys' Schools ..	53+14 Classes.	9,524	53+14 Classes.	10,086
Urdu Girls' Schools ..	42+1 Class.	6,641	42+1 Class.	6,426
Total ..	95+15 Classes.	16,165	95+15 Classes.	16,512
Tamil, Telegu, Kanarese, Malayalam, etc., Schools ..	17	1,549	19	1,769
Hindi Schools ..	29+1Class.	3,568	29+1 Class.	4,064
English Primary Schools ..	5+1 ,,	796	6+1 Class.	913
Total ..	51+2 Classes.	5,913	54+2 Classes.	6,746
Grand total of all Municipal schools	397+25 Classes.	1,02,510	399+26 Classes.	1,15,599

4. The total number of teachers permanent and non-permanent as on 31st March 1948, was as follows :—

Teachers in Municipal Schools.

Ordinary permanent teachers	2,967
Ordinary non-permanent teachers ..	453
Special Teachers (including part-timers) ..	170
Total ..	3,590

5. The number of pupils in Aided Schools increased during the year under review, from 47,451 to 49,363. The number of Aided Schools and pupils in them is given in the following table with the respective figures of the previous year :—

Aided Schools and pupils.

Statement showing the number of Aided Institutions and pupils therein.

Class of Schools.	On 31st March 1947.				On 31st March 1948.			
	No. of Schools.	Boys.	Girls.	Total.	No. of Schools.	Boys.	Girls.	Total
Marathi Schools—								
Boys' Schools ..	34	3,342	2,117	5,459	34	3,491	2,247	5,738
Girls' Schools ..	4	264	543	807	4	271	506	777
Night Schools ..	..	..	..	..	..	..	..	..
Total ..	38	3,606	2,660	6,266	38	3,762	2,753	6,515
Gujarati Schools—								
Boys' Schools ..	75	10,771	4,347	15,118	77	10,757	4,530	15,287
Girls' Schools ..	23	628	3,802	4,430	23	623	3,856	4,479
Night Schools ..	3	83	...	83	2	82	...	82
Total ..	101	11,482	8,149	19,631	102	11,462	8,386	19,848
Urdu Schools—								
Boys' Schools ..	17	2,356	943	3,299	17	2,382	1,059	3,441
Girls' Schools ..	5	39	1,123	1,162	6	40	1,060	1,100
Night Schools ..	2	...	..	...	...	..	..	..
Total ..	24	2,395	2,066	4,461	23	2,422	2,119	4,541
English teaching Schools—								
Boys' Schools ..	25	7,425	2,492	9,917	25	7,765	2,863	10,628
Girls Schools .. (including Govt. transferred.)	9	282	2,630	2,912	9	271	2,796	3,067
Total ..	34	7,707	5,122	12,829	34	8,036	5,659	13,695
Miscellaneous Schools—								
Boys' Schools ..	9	1,498	719	2,217	9	1,759	800	2,559
Girls' Schools ..	2	49	539	588	2	52	562	614
Night Schools ..	4	805	30	835	4	919	20	939
Total ..	15	2,352	1,288	3,640	15	2,730	1,382	4,112
Special Institutions ..	4	323	301	624	4	324	328	652
Grand Total ..	216	27,865	19,586	47,451	216	28,736	20,627	49,363

Besides the Aided Institutions, there are also other schools which are recognised schools; but, they do not receive grants-in-aid from the Schools Committee. The number of such schools and the number of pupils in them as they stood on 31st March 1948 is given below along with those on 31st March 1947:—

Class of Schools.	On 31st March 1947.				On 31st March 1948.			
	No. of Schools.	Boys.	Girls.	Total.	No. of Schools.	Boys.	Girls.	Total.
Recognised Night Schools—	...	..	..	..	2	135	385	520
Boys' Schools ..	10	1,611	371	1,982	9	2,359	884	3,243
Girls' Schools ..	6	137	553	690	5	149	577	726
Total ..	16	1,748	924	2,682	16	2,643	1,846	4,489

Teachers in Aided Schools.

6. The total number of full time and part-time teachers in Aided Schools at the end of the year was 2,091 as against 2,019 of the previous year, the particulars being as under:—

	Full-time Teachers.			Part-time Teachers.		
	Males.	Females.	Total.	Males.	Females.	Total.
On 31st March 1947—						
Ordinary Teachers ..	588	907	1,495	60	38	98
Special Teachers ..	21	21	42	245	139	385
Total ..	609	928	1,537	305	177	482
Grand Total ..	2,019					
On 31st March 1948—						
Ordinary Teachers ..	626	919	1,545	63	61	124
Special Teachers ..	33	33	66	201	155	356
Total ..	659	952	1,611	264	216	480
Grand Total ..	2,091					

Grants to Aided Schools.

7. The total net amount of grants paid to the Aided Schools this year was Rs. 3,53,609 after applying a cut of 18¾ per cent., on the total assessed amount of Rs. 4,26,544. The cut had to be resorted to for want of sufficient funds. The amount of grants paid in the previous year was Rs. 3,71,472.

Total expenditure and cost per pupil in Aided Schools.

8. The total expenditure incurred by the Aided Schools, as given by them, amounted to Rs. 27,88,592. The average number of pupils on roll in these schools during the year was 48,149. On the basis of this number, the cost per pupil works out to Rs. 57.9 as against Rs. 50.5 in the previous year. The cost per pupil to the Municipality by way of grants comes to Rs. 7.7 as compared to Rs. 8.2 in the previous year.

Visits to Schools.

9. The Secretary and other Supervising Officers paid visits to schools, both, Municipal and Aided, as usual. During the months when unsettled conditions prevailed in the City, their task of paying the required number of visits to schools was rendered difficult.

Free and Compulsory Education.

10 The annual census of non-attending compulsory age children was taken in the month of October 1947. It recorded a figure of 15,664 children of compulsory age, as non-attending. Out of these, 3,925 children were brought to schools during the course of the year. Owing to lack of sufficient funds no special efforts could be made to bring in a greater number of non-attending children. A new Scheme for devising ways and means of bringing in the maximum number of non-attending children to primary schools, has been drawn up and the same is under the consideration of the Department.

Acute shortage of housing accommodation was felt during the year, as in the previous years. It was more intensely felt this year with the ever increasing demand of fresh admissions and opening of new schools. The system of holding schools in two sessions introduced for the last three years, had to be continued in this year as well. About 31,000 pupils of the infants, I and II Stds. had to be accommodated in the forenoon sessions for want of space. The hours of instruction in such cases were curtailed to three per day.

Income and Expenditure.

11. The year under report opened with a balance of Rs. 20,000 as usual. The total amount at the disposal of the Schools Committee was Rs. 84,40,833-0-9 as shown below:—

Opening Balance.	Municipal Grant.	Other Miscellaneous Receipts.	Total.
Rs.	Rs. a. ps.	Rs. as. ps.	Rs. as. ps.
20,000	83,80,551 7 10	40,281 8 11	84,40,833 0 9

The total expenditure for the year, excluding the expenditure on the Head Office which is met from the Municipal General fund, amounted to Rs. 84,20,833-0-9 leaving a closing balance of Rs. 20,000. The details of the Receipts and Expenditure for the year under report will be found in Appendix A.

Expenditure on the Head Office.

12. The expenditure on the Schools Committee's Head Office, met from the Municipal General Fund, was Rs. 85,741-9-3. The staff of this office consists mainly of Secretarial, Accounts, Correspondence and Record Branches of the Department.

Government Grant on the cost of Primary Education.

13. The Grant paid by the Government to the Municipality towards Primary Education in the City during the year amounted to Rs. 9,74,017 which included the amount of Rs. 29,017 meant for the English teaching Aided Schools, the control whereof was transferred by the Governmnt to the Schools Committee from the year 1943-44.

Average cost per pupil.

14. The average cost per pupil in theMunicipal Schools calculated on the number of pupils on rolls(1,15,599) on the last day of the year, was Rs. 69.6. The corresponding figure for the previous year, was Rs. 64.01. The average number of pupils on rolls throughout the year was 1,12,406, and calculated on the basis of that figure, the cost per pupil works out to Rs. 71.5 as against Rs. 58.04 of the previous year. If the expeniture on the Head Office be also taken into account, the corresponding figures for the year under report calculated on the number of pupils on rolls on the last day of the year and on the average monthly number on rolls for the year, would be Rs. 70.3 and Rs. 72.3 respectively. The increase in the cost per pupil during the year can be attributed to three main reasons, among others, *viz.*, (1) revision of grade salaries of all the categories of the staff including teachers brought into effect from 1st April 1946, (2) the payment of Dearness Allowance at enhanced rates sanctioned from time to time and (3) granting of grades to teachers according to their qualifications with a view to have as many trained teachers in the department as possible and the removal of the former rule of having to adhere to the fixed proportion of trained and untrained teachers.

The following table will show at a glance, the average cost per pupil during the year under report together with the corresponding figures for the previous year:—

	Average cost per pupil for the year.	
	1946-47	1947-48
	Rs.	Rs.
(*a*) According to the number of pupils on rolls on 31-3-1947 (1,02,510) ...	64.01	...
Do. do. do. on 31-3-1948 (1,15,599) ...	...	69.6
(*b*) According to the average number of pupils on rolls for the whole year 1946-47 (1,13,237) ...	58.04	...
Do. do. do. for the whole year 1947-48 (1,12,406)..	...	71.5
(*c*) As per (*a*) above *plus* Head Office Expenditure for the year 1946-47 ...	64.8	...
Do. do. do. for the year 1947-48 ...	...	70.3
(*d*) As per (*b*) above *plus* expenditure on the Head Office for the year 1946-47 ...	58.7	...
Do. do. do. for the year 1947-48 ...		72.3

Audit of the Accounts.

15. The staff of the Municipal Chief Auditor's Department, stationed in the Schools Committee's Office, for auditing the School Fund Accounts carried on their work as usual and suggestions made by them were attended to by the Accounts Department, of this office.

Boy Scouts.

16. Mr. M. V. Donde, B.A., District Commissioner, Mr. M. M. Killedar, M.L.A., J.P., and Mr. R. K. Achrekar, both, Assistant District Commissioners of the Municipal Boy Scouts continued to hold their respective offices during the year under report. The number of troops and packs at the end of the year was 58 and 102 respectively and that of Scouts and Cubs was, 1,638 and 3,142 respectively. The usual activities of the Municipal Boy Scouts, such as, the National Scout Week, Scouters Conference, Cub Masters Training Camp, hikings, excursions and week-end trips were duly carried out at different times during the year. The normal items of the Annual Rally and Sports of Municipal Scouts could not be undertaken owing to severe cuts on the budget grants for the purpose. Independence Day Celebrations and the Mass Drill Display were marked by the enthusiastic participation of the Municipal Boy Scouts. Both the functions were attended with success.

The Welfare Centre run by the Municipal boy Scouts at Kasarwadi (Taikalwadi) for the benefit of the local residents, most of whom come from the Harijan community, carried on its useful activities during the year. A small monthly grant of Rs. 75 is provided by the Standing Committee from the Municipal Funds for the conduct of this Centre. Looking to the financial aspect, the management of this Welfare Centre has been transferred by the Corporation to the Municipal Health Department from the ensuing year.

Girl Scouts.

17. Mrs. Khadija Shaffi Tyabji, M.L.A., J.P., continued as the District Commissioner of Municipal Girl Scouts, during the year. The total number of Girl Scout Companies and Flocks at the end of the year was, 51 and 111 respectively,and that of Girl Scouts and Bulbuls in them was 1,383 and 2,613 respectively. All the useful activites of the department, such as, the National Scout Week, Training Camps, excursions etc., were duly carried out. The Municipal Girl Scouts whole heartedly participated in the Independence Day Celebratons, the Mass Drill Display, the Health Day of Municipal School children and such other functions whereat they rendered very useful service which contributed a great deal towards their success. The normal activities of holding their Annual Rally and Sports could not be organised by the Municipal Girl Scouts during the year for want of funds required for the purpose.

Teaching of Hindustani in Municipal Schools.

18. The teaching of Hindustani in Municipal Schools introduced for the last couple of years was continued during the year and about 41,000 pupils of the Marathi and Gujarati Boys' and Girls' Schools came within the scope of this Scheme. The two Training Classes opened in the previous years, for teachers to take requisite training for imparting instruction in Hindustani, had, however, to be closed down towards the middle of the year under report. This step had to be taken as a measure of economy necessitated on account of the financial stringency felt during the year. With this measure, the post of the Organiser for Hindustani was also abolished from 1st November 1947.

Central Schools.

19. The following number of pupils were receiving instruction in Vocational Subjects at the thirteen different Central Schools run by the department. Normal progress was maintained as will be seen from the following figures giving examination results of the different subjects taught in our Central Schools:—

Subject.		No. of pupils.
(1) Carpentry	...	326
(2) Tailoring	...	341
(3) Clock-repairing	...	31
(4) Printing and Binding	...	93
(5) Signboard Painting	...	12
Total	...	803

The number of pupils from these Central Schools who appeared for the Carpentry Examination wa 172 and 127 out of them were saccessful. 145 out of 207 pupils who appeared at the Government Tailoring Examinations from the Municipal Tailoring Classes, came out successful.

The Annual Handicraft Exhibition was successfully held, despite difficlties in the way, from 18th March 1948 to 22nd March 1948. A record amount of Rs. 3,687 was realised by way of sale proceeds of the articles disposed of at the Exhibition.

The R.C. Training Institute.

20. The follwing number of ladies were under training at the Rahimtulla Currimbhoy Urdu Training Institute for Women, during the year under report:—

Class.	No. of girl stipendiaries.	No. of teachers on deputation.	Total No. of pupils.
Junior 1st Year	7	..	7
Senior I Year	14	2	16
Total ..	21	2	23

The results of the examinations held in the year 1948 are given below:—

Junior 1st Year.		Senior 1st Year.	
No. appeared.	No. passed.	No. appeared.	No. passed.
7	7	16	5

Teachers' Training Classes.

21. The Four Training Classes, *viz.*, Marathi, Gujarati, Urdu and Hindi, running from the previous year for the benefit of the overage untrained teachers of the department, continued to run with their full complement for the second and the final year in most cases. The necessary staff and equipment were duly provided for preparing the trainees for the final examination of Primary Teachers' Certificate, held in April 1948.

Annual Sports of Municipal School Children.

22. This useful Annual feature could not be undertaken this year for want of funds. But, at the instance of the Chairman for the year, Dr. T. R. Naravane, a grand display of Mass Drill of about 25,000 School children was planned early in July 1947. All energies of the whole departmental machinery were geared to this idea of Mass Drill Display and its successful culmination. Considerable planning and preliminary preparations were undertaken. The staff of the Physical Instruction Department took up the work of coaching a large number of teachers of both the Boys' and Girls' Schools. Training Centres were opened for this purpose at diffrent suitable open grounds in the City, and thus in spite of a number of difficulties enccuntered in the way, all the details of the programme were chalked out by the Co-ordinating Committee of Officers specially set up for the purpose. By the untiring and ceaseless efforts of Dr. Naravane, a special grant was obtained from the Corporation to meet the expenses of this undertaking. Although, the final event could not come off before the close of the year under report, (it was performed on the 4th of April 1948) due to several diffulcities, all the spade-work was done during the course of the year under the lead and guidance given by the Chairman, Dr. T. R. Naravane, who sponsored the whole idea.

Local Committees.

23. The seven Ward Local Committees consisting of some members of the Corporation and some members of the public taking interest in educational matters carried on their usual work during the year under report. Many useful suggestions made by them with regard to the working of schools in their respective Wards were carried out as far as possible. A joint conference of the members of all the 7 Ward Local Committees and those of the School Committee was held in the Corporation Hall on 18th October 1947. By their joint deliberations and free exchange of views on a variety of subjects concerning the administration of Primary Schools, with the members and the Officers of the Schools Committee, a number of decisions were taken and the same were forwarded to the Schools Committee for their implementation.

The Municipal Teachers' Library.

24. During the year under report the stock of books in the Library stood at the figure of 13,081 with the eddition of 102 new books made during the year. The interest evinced by teachers in the library books can be ascertained from the fact that the total issue of books to teachers during the year, as recorded by the Librarian stood at 10,248.

The Employees' Co-operative Credit Society.

25. As in the past years, the Schools Committee's Employees' Co-operative Credit Society, Ltd., carried on its business on a progressive scale during the year. The Society, besides granting loans to its members, rendered very useful service in the economic interest of the employees by its Schemes of Savings Deposits and Life Insurance. The method of advancing money to individual members and their recoveries through reasonable monthly instalments, went a long way to solve the monetary difficulties of its members in these times of economic stress and strain.

Free use of School-premises for Milk Centres and other educational purposes.

26. The free use of Muncipal school premises for running Government Milk Centres—both in the morining and evening—continued to be granted in the year under report. Apart from th's, several recognised institutions were allowed the gratis use of Municipal School premises for running Hindi, Hindustani and Adult Literacy Classes and Schools, out of the School hours.

27. (*a*) The work of printing teachers' diaries and progress cards and registers, undertaken in the previous year was duly completed at the beginning of the year under report. These were introduced in all the schools at the commencement of the academic year. Although the benefits of these new measures were not fully appreciated in th beginning, towards the close of the year, their use fulness and efficacy were thoroughly realised by the teachers and the taught as also by their parents.

General and Miscellaneous.

(*b*) Considerable planning work for the improvement in schools was tackled at the Staff Meetings, frequently held by the Secrtary, during the course of the year. Many other problems of the day to day administration of Schools were also discussed at these staff meetings and common principles of policy were evolved at such meetings.

28. In conclusion, the Schools Committee place on record their appreciation of the services rendered by the Officers, Clerks, teachers and the other staff in their department, during the year under report.

Appreciation of the work done by the Staff.

THE SCHOOLS COMMITTEE'S OFFICE,
BOMBAY.
18th September 1948.

K. KHANDVALA,
Secretary, Schools Committee.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC

APPENDIX 'A'

THE BOMBAY MUNICIPAL SCHOOLS COMMITTEE.

Income and Expenditure Account of the School Fund for the year 1947-48.

Receipts.	Rs. as. p.	Rs. as. p.	Expenditure.	Rs. as. p.	Rs. as. p.
Balance on 1st April 1947, ...		20,000 0 0	A-Schools.—		
Fees from Municipal Schools	25,145 0 0		1 Headmasters and Teachers ...	43,31,716 14 0	
Training Classes ...	425 0 0		1A Training Institutions	57,694 11 9	
		25,570 0 0			43,89,411 9 9
Contribution from General Municipal Fund		83,80,551 7 10	2 Servants ...		3,79,835 13 0
			3 Rent of School Premises ...		5,67,784 9 4
Interest on Endowment and Trust Funds ...		6,063 9 2	4 Class Books ...		863 7 3
			5 Furniture for Schools ...		12,310 11 6
Miscellaneous Receipts ...		8,647 15 9	6 Prizes ...		...
			7 Contingencies and Miscellaneous ...		1,71,407 1 2
			8 Stipends to students under training ...		3,955 15 0
			9 Superintendents & their Establishments		2,61,653 12 9
			10 Grant-in-aid to Primary Schools ...		3,53,609 0 0
			11 Municipal Teachers' Library & Museum		3,848 1 9
			12 Medical Inspection & Clinical Department ...		...
			13 Superintendent, Aided Schools ...		20,816 14 3
			14 Census Establishment ...		50,849 2 0
			15 Pension Gratuity, & Compassionate Allowance ...		1,95,061 11 0
			16 Municipal Share towards Provident Fund ...		4,56,218 6 0
			B.—Buildings—		28,388 4 0
			C.—Public Libraries ...		...
			D.—Dearness Allowance ...		15,24,768 10 0
			Balance on 31st March 1948 ...		20,000 0 0
Total ...		84,40,833 0 9	Total ...		84,40,833 0 9

S. D. TENDULKER
Superintendent of Accounts.

K. KHANDVALA,
Secretary, Schools Committee.

APPENDIX 'B'.

THE BOMBAY MUNICIPAL SCHOOLS COMMITTEE.

Balance Sheet as on 31st March 1948.

Liabilities.	Rs. as. p.	Rs. as. p.	Assets.	Rs. as. p.	Rs. as. p.
Advances from the Chief Accountant, Bombay Municipality			*Investments and securities.*		
On account of Municipal contribution ...		5,095 1 8	(vide Schedule No. 2).		
			On account of Trust, Scholarship and Prize Funds (as per contra) ...		2,31,903 3 6
Deposit Accounts.					
Miscellaneous ...	50,719 3 9		*Advances.*		
Unclaimed wages, of schools 37,731 1 0				Rs. a. p.	
Unclaimed wages, of office 2,409 9 0	40,140 10 0		To Heads of schools (for contingency)	4,022 12 0	
Unclaimed Rent ...	7,755 13 0		To officials for Contingency (vide Schedule No. 3).	644 0 0	
C. C. Society's Recoveries ...	5,138 13 0		To Garrison Engineer for water charges ...	5 0 0	
Contractors ...	1,350 0 0				
Income-tax on Estt. ...	185 9 0				
Court attachment recoveries ...	103 4 0				
C. E.'s Rent Recoveries ...	18 0 0				
		1,05,411 4 9			4,671 12 0
Trust Scholarships and Prize Funds (vide Schedule No. 1).			*Cash—*		
			In the Imperial Bank of India	1,39,682 12 1	
Investment (as per contra) ...	2,31,903 3 6				
Cash ...	15,934 5 6		In the Office Treasury	2,086 3 10	
		2,47,837 9 0			1,41,768 15 11
Balance (Statutory) ...		20,000 0 0			
Total ...		3,78,343 15 5	Total ...		3,78,343 15 5

S. D. TENDULKER,
Superintendent of Accounts.

K. KHANDVALA,
Secretary, Schools Committee.

APPENDIX B.

SCHEDULE No. 1.

Details of Trust Scholarships and Prize Funds.

Serial No.	Names of the Funds.	Investments.	Interest & cash.	Total.
		Rs. as. p.	Rs. as. p.	Rs. as. p.
(1)	Donations, re: scholarships to Urdu Girls' Schools	...	10 0 0	10 0 0
(2)	Harkisondas Brijlal Prize Fund ...	600 0 0	64 14 6	664 14 6
(3)	Dr. Blaney Prize Fund ...	1,283 13 6	153 10 10	1,437 8 4
(4)	Madhavdas Raghunathdas Prize Fund ...	500 0 0	56 8 0	556 8 0
(5)	Jivkore Lallubhai Scholarship and Prize Fund ...	9,389 0 0	1,479 12 7	10,868 12 7
(6)	Bachubai S. Bengali Prize Fund ...	1,200 0 0	97 12 0	1,297 12 0
(7)	Lady Hardinge Prize Fund ...	1,582 6 0	186 1 9	1,768 7 9
(8)	R. S. Taki Scholarship and Prize Fund ...	1,100 0 0	132 11 0	1,232 11 0
(9)	War Loan Prize Fund ...	4,400 0 0	461 4 0	4,861 4 0
(10)	Rambhabai Laldas Prabhudas Scholarship and Endowment Fund ...	10,000 0 0	150 0 0	10,150 0 0
(11)	Permanand Raja Endowment Fund ...	13,800 0 0	...	13,800 0 0
(12)	Valibai Vallabhdas Endowment Fund ...	29,000 0 0	...	29,000 0 0
(13)	Nagardas Raghunathdas Scholarship and Endowment Fund ...	23,000 0 0	150 0 0	23,150 0 0
(14)	Navalbai Raghunathdas Scholarship Fund ...	2,800 0 0	253 12 8	3,053 12 8
(15)	Madhavrao Rokde Free School Endowment Fund	27,709 4 0	90 12 0	27,800 0 0
(16)	N. G. Welinkar Scholarship and Prize Fund ...	1,043 2 0	155 2 8	1,198 4 8
(17)	Jairajbhoy Peerbhoy Girls' School Trust Fund ...	17,400 0 0	...	17,400 0 0
(18)	Thakkar Peraj Padamsi Endowment Fund ...	8,000 0 0	30 0 0	8,030 0 0
(19)	Parvatibai Dwarkadas Prize Fund ...	200 0 0	18 1 0	218 1 0
(20)	Golden Jubilee of the S. S. Bengali School Trust Fund ...	4,900 0 0	414 2 6	5,314 2 6
(21)	Seth Dwarkadas Tribhuwandas, J.P., Garba Party Lahani Fund ...	5,500 0 0	467 11 0	5,967 11 0
(22)	Ratansi Mulji Scholarship and Endowment Fund	10,000 0 0	150 0 0	10,150 0 0
(23)	Manekbai Ratansi Prize Fund ...	1,000 0 0	118 8 0	1,118 8 0
(24)	Seth Dwarkadas Tribhuwandas, J.P., Prize Fund	3,000 0 0	282 6 0	3,282 6 0
(25)	Rahimtulla Currimbhoy Training Institute for Women Scholar-ship Fund ...	18,000 0 0	8,282 15 1	26,282 15 1
(26)	Padmabai Quran Shariff School Trust Fund ...	6,500 0 0	...	6,500 0 0
(27)	Jeshtaram Premji Gujarati School Trust Fund ...	9,100 0 0	...	9,100 0 0
(28)	Bai Gulabbai H. Shah Prize Fund ...	900 0 0	144 7 6	1,044 7 6
(29)	Khurshedbai D. Wadia Prize Fund ...	500 0 0	59 13 0	559 13 0
(30)	S. B. Pendurkar Prize Fund ...	600 0 0	112 14 1	712 14 1
(31)	Anandibai Keskar Dadar Kumbharwada Marathi Girls' School Trust Fund ...	100 0 0	14 9 0	114 9 0
(32)	H. G. Anjaria Memorial Fund ...	1,200 0 0	443 8 0	1,643 8 0
(33)	S. S. Bengali Gujarati Girls' School Trust Fund	97 10 0	10 4 4	107 14 4
(34)	Municipal Gulabbai Central Gujarati Kanyashala Diamond Jubilee Memorial Fund ...	5,200 0 0	907 2 1	6,107 2 1
(35)	Vishnupant Pagnis Prize Fund ...	1,500 0 0	131 6 0	1,631 6 0
(36)	Behn Manjula Daughter of Ramdas Madhavji Memorial Fund ...	2,500 0 0	384 13 0	2,884 13 0
(37)	Bai Kashibai Itchhashankar Joshi Prize Fund ...	1,202 0 0	75 14 3	1,277 14 3
(38)	Nowroji Sorabji Bengalee Prize Fund ...	2,000 0 0	269 11 2	2,269 11 2
(39)	Limaye Prize Trust Fund ...	500 0 0	37 1 9	537 1 9
(40)	Bai Nandubai Daughter of Ratansey alias Bai Gunvantibai Wife of Chhabildas Chaturbhuj Bhagta's Scholarship & Trust Fund ..	4,200 0 0	126 2 0	4,326 2 0
(41)	Shantabai Kashalkar Trust Fund ...	396 0 0	10 9 9	406 9 9
	Total ...	2,31,903 3 6	15,934 5 6	2,47,837 9 0

S. D. TENDULKER,
Superintendent of Accounts.

K. KHANDVALA,
Secretary, Schools Committee.

SCHEDULE No. 2.

Details of investments in Government, etc., paper deposited with the Imperial Bank of India.

Particulars.	Face value.	Book value.
	Rs.	Rs. a. p.
3 per cent. Development Loan (1970-75) ..	22,300	21,972 7 6
3 per cent 1896-97 Non-terminable Loan ..	1,300	1,202 0 0
3 per cent Conversion Loan (1946) ..	97,100	97,057 4 0
4 per cent Bombay Municipal Debentures. (1903 and 1905) ..	2,500	2,500 0 0
4½ per cent Ghatkopar Kirol Municipal Debentures (Repayable 1957) ..	1,000	1,000 0 0
6 per cent Bombay Municipal Debentures 40 Lacs (1930) ..	500	500 0 0
4 per cent B. P. T. Bonds (1968-75) ..	25,000	25,080 0 0
4½ per cent 1955-60 Stock ..	12,600	12,600 0 0
4 per cent Bombay Municipal Debentures 70 Lacs (Repayable 1974) ..	29,000	29,000 0 0
6 per cent Bombay Municipal Debentures 160 lacs (Repayable 1954) ..	35,000	35,000 0 0
2½ per cent 1961 Stock ..	5,000	4,991 8 0
10 Shares in Ahmedabad Commercial Mills Company, Ltd. (Each of Rs. 100)	1,000	1,000 0 0
Total ..	2,32,300	2,31,903 3 6

SCHEDULE No. 3.

Details of Advances to Officials.

Serial No.	Name.	Amount
		Rs.
1	Secretary, Schools Committee ..	250
2	Superintendent, Aided Schools ..	40
3	Clerks, A, B, C, D, E, F and G Ward Local Committees (at Rs. 5 each) ..	35
4	Special Attendance Officer ..	30
5	Headmaster, Byculla Training Class ..	30
6	Incharge Teacher, Painting Class, Kamathipura ..	21
7	Assistant Organising Commissioner, Boy Scouts ..	20
8	Headmaster, Bhuleshwar Gujarati Boys' School for Printing Class ..	20
9	Head Mistress, Gujarati Teacher's Training Class ...	20
10	Headmaster, Urdu Teachers' Training Class ..	20
11	Headmaster, Hindi Teachers' Training Class ..	20
12	Headmaster, Foras Road Marathi Boys' School, for Binding Class ..	18
13	Headmistress, R. C. Training Institute ..	15
14	Supervisor, Handicrafts and Stores ..	15
15	Librarian, Teachers' Library ..	15
16	Incharge Teacher, Clock Repairing Class, Girgaum ..	15
17	Assistant Organising Commissioner, Girl Guide ..	10
18	Headmistress, Imamwada Urdu Girls' School, for Cooking Class ..	10
19	Incharge Teacher, Tailoring Class, Girgaum ..	10
20	Headmistress, Poibavdi Marathi Girls' School, for Paper Modelling Class ..	10
21	Headmaster, Lady Jamshdji Rd. Marathi Boys' School for Tailoring Class ..	10
22	Headmaster, Dadar Hindi School for Tailoring Class ..	10
	Total ..	644

S. D. TENDULKAR,
Superintendent of Accounts.

K. KHANDVALA,
Secretary, Schools Committee.

PART II.

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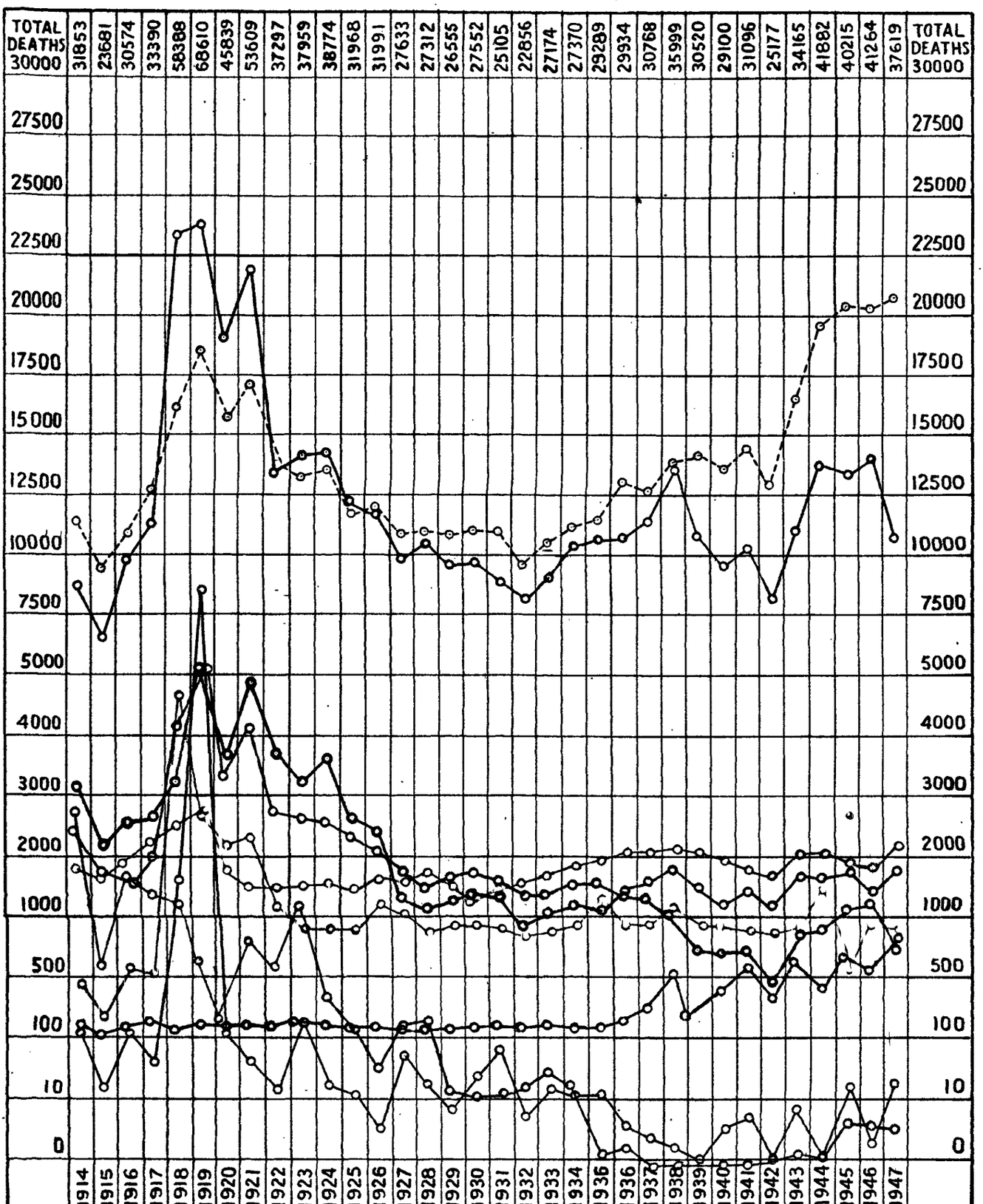
SUMMARY OF STATISTICS.

FOR THE YEAR 1947.

1	Area of Bombay City and Island		26.189 Sq. Miles
2	Average density per acre		89
3	Population by the Census of 1941		14,89,883
	„ (Actual at the beginning of the year 1947 ..	over	26,50,000
	„ (Actual at the end of the year 1947)	over	25,53,735
4	Number of live births registered		50,833
5	Birth rate per 1,000 population (Census)...		34.1
	„ „ „ (Actual)		19.2
6	Number of deaths		37,619
7	Death rate per 1,000 population (Census)...		25.2
	„ „ „ (Actual)		14.2
8	Number of deaths among infants (under 1 year)		8,471
9	Infant deaths per 1,000 births		166.6
10	Plague—number of deaths from		4
11	Small pox—number of deaths from		18
12	Small pox—Death rate		0.0
13	Cholera—number of deaths from		29
14	Influenza—number of deaths from		13
15	Influenza—Death rate		0.0
16	Tuberculosis—number of deaths from		2,125
17	Tuberculosis—Death rate		1.4
18	Maternal Deaths		106
19	Maternal Death rate per 1,000 births (including still births)		2.0
20	Maternal Death rate per 1,000 live births		2.1

A
DIAGRAM
ANNUAL TOTAL DEATHS
FROM DIFFERENT CAUSES IN BOMBAY
1914 - 1947.



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ANNUAL REPORT OF THE

EXECUTIVE HEALTH OFFICER.

FOR 1947.

Preliminary.—Dr. B. C. Das Gupta, Executive Health Officer, went on leave from 20th October 1947 to take up the post of Deputy Director General of Health Services under the Government of India and Dr. B. R. Master, one of the Assistant Health Officers, worked in his place from 20th October 1947 to 31st October 1947. I took charge of the post of Executive Health Officer from 1st November 1947.

Review of the year.—There was little or no change so far as the population and housing conditions of the City were concerned. The building activity which has come to a standstill did not revive and overcrowding continued. The population of the City which was reported to be over 26,50,000 by the end of the year 1946 underwent a little variation and is now reported to be over 25,53,000 at the end of the year 1947. The decrease, if it be a real one, did not give any redress to the problem of overcrowding. The communal disturbances which commenced in the beginning of September 1946 continued to disturb the City even during the year 1947 and took a toll of 314 persons. The S. S. Ramdas tragedy added not less than 37 deaths to the total death toll. The epidemic diseases such as Plague, Small-pox, and Cholera were prevalent all round the City. All these factors kept the Health Authorites anxious about the City's health and the communal disturbances even rendered systematic and prompt conservancy and sanitary services difficult especially in the affected areas. In spite of all this it would be gratifying to note that the cases of Cerebro Spinal Fever were 54 against 123 in 1946. Cholera was responsible for 114 cases, but they were all imported. The cases from Diphtheria were 375 against 447 reported last year. The cases of Malaria reported were 593 against 896 in the year 1946. Small-pox was rather negligible and only 62 attacks were reported in the year against 2,431 in 1946. There were 11 attacks from Plague, but all these were imported ones. The infant mortality rate and the maternal death rate which were 166.6 and 2.1 were the lowest recorded since the beginning when such statistics were maintained. The cases of Typhoid were 1664 against 988 last year but though they were on the increase the fatality rate shows that infection was not so serious. The fatality rate was 41.2 per cent during 1947 against 51.8 per cent during the year 1946. If these facts are taken into consideration it would be gratifying to note that the City passed through a normal year in spite of the various disturbing factors prevailing.

As stated above the Rationing Authorities have reported that the population of the City stood at the end of 1947 at 25,53,000 and this figure will be taken for statistical purposes in calculating the different rates during 1948. The rates calculated on the actual population for the year 1947 have been calculated on the population which was reported at the end of 1946.

In the absence of any relief from housing, and the disturbing factors such as presence of infectious diseases round about the City much stress was laid upon personal prevention and during the year 57,846 primary vaccinations which are greater than those done last year and 2,36,497 re-vaccinations were done against small-pox. The number of revaccinations done is comparatively small as compared with the work done in 1946 but this less number was more or less responsilbe for the mass vaccinations done in 1946. Inoculations were carried out against Plague and Cholera and these numbered 1,615 and 1,35,183 respectively. Inoculations against Typhoid which is endemic in the City were 1,92,304.

The communal disturbances affected the attendances at the clinics, dispensaries, hospitals, etc., depriving the public of adequate facilities for medical relief. The work of medical inspection of school children, welfare of the labour class, and propaganda work were also hampered to some extent by the disturbances.

The total deaths during the year were 37,619 against 41,264 in the previous year and these included 351 deaths due to unnatural causes such as communal disturbances and the steamer tragedy. The births registered were 50,833 against 53,469 in 1946. If the total confinements are compared it will be seen that there is not much difference in the confinements taking place at the hospitals and the percentage of the hospital births was 80.8 this year against 77.1 in the year 1946. The less number of births can thus be attributed to the fact that owing to overcrowding the people were compelled to send their families outside Bombay for confinement due to shortage of accommodation in hospital beds. The birth rate recorded per 1,000 of the census population of 1941 was 30.1 while it was 19.2 on the actual population *i.e.*, 26,50,000 as against 35.9 and 21.2 respectively in the year 1946. The death rate per 1,000 population as calculated on the census population and actual population in 1947 was 25.2 and 14.2 respectively as against 27.7 and 16.5 in 1946.

As stated above the infant death rate was still further reduced to 166.6 this year which is the lowest on record so far.

The work of immunizing milch cattle was continued this year also. As a result of this action, cases of Rinderpest were reduced considerably this year which were 31 as against 81 of 1946.

The work of licensing dogs was also continued this year. The scheme for the supply of milk to undernourished children in municipal schools which had to be suspended in September 1946 on account of communal disturbances was recommenced from 1st August 1947.

As a result of an intensive rat campaign 8,38,478 rats were caught and destroyed during the year. None of the rats was found infected with Plague. The rat catch in this year exceeded even the record catch of 8,28,945 for the year 1945. Had it not been for the communal riots which hampered field work greatly, it would have been greater still.

Area and population.—The area of the City and island is 26.189 square miles (16,761.5762 acres). Although the average density of population of the City worked out on this area was 89 per acre in 1941 as shown by sections in Table No. 2 (Appendix), it stood at 158 per acre as the population increased from 14,89,883 (1941 census population) to 26,50,000 by the end of 1946 on account of increased industrial and other activities.

Although the population of the City according to 1941 census was 14,89,883 as shown by sections in Table No. 1 (Appendix) and the same has been taken for statistical purposes of this report, the actual population of the City during the year as ascertained from the Rationing Authorities was more than 26,50,000 as stated above and the death rates worked out and shown in this report for the different diseases on the census population would in fact be much lower if calculated on the actual population during the year.

BIRTHS AND BIRTH RATES.

The number of live births registered during the year was 50,833. It was less by 2,636 than in 1946 and more by 7,043 than the average of the decennium (1937-1946). The number of live births registered each month during 1946 and the year under review is shown below:—

Period.	Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
1946	5,034	4,104	4,299	4,355	4,176	3,911	4,214	4,499	3,990	4,933	5,028	4,926
1947	4,206	3,333	3,581	3,428	3,866	3,675	3,962	4,244	4,360	5,302	6,364	5,512

Of the Registered births, 26,091 were males and 24,742 were females, the proportion of males to females being 105 to 100. The birth rate calculated on the census population of 1941 was equivalent to 34.1 per thousand and 19.2 on the actual population (26,50,000) as against 35.9 and 21.4 respectively in 1946. The birth rate recorded year by year for the City cannot be said to be accurate. Negligence on the part of the parents and others responsible for the registration of births as well as the habit of the people to send mothers out of Bombay immediately after birth and before its registration, can be mentioned as some of the causes whereby births may escape registration in the City. In order to prevent births escaping registration as far as possible, this department is supplying to the maternity homes and hospitals, books of birth report forms serially numbered and efforts are made to see that every birth taking place in the hospitals is brought on our record. The Birth Karkoons have been asked to make vigorous search for births taking place at homes and to see that no birth in their respective areas escapes registration. Regular registers of the births recorded by the Birth Karkoons have been maintained and the District Registrars asked to scrutinise them month by month.

Table No. 3 (Appendix) shows the number of births by communities and the birth rate per 1,000 of their population. Table No. 3-A (Appendix) shows the number of births registered in each month during the years 1945, 1946 and 1947 and the average of the preceding five years (1942-46).

The number of still-births reported during the year was 2,934.

DEATHS AND DEATH RATE.

The total number of deaths registered from all causes during the year was 37,619 which included 314 unnatural deaths in communal riots and 37 deaths due to "S.S. Ramdas" tragedy, against 41,264 in 1946. It was more by 1,079 than the average annual mortality of the quinquennium (1942-46) and by 3,601 more than the average mortality of the preceding 10 years (1937-46).

The death rate per 1,000 persons living according to the 1941 census was 25.2 (while it comes to about 14.2 according to the actual population mentioned above) as against 27.0 in 1945, 27.7 in 1946 and 25.7 the average for the preceding decennium. The death rate (like the birth-rate) is invariably high amongst the poorer classes, and as an unduly large proportion of the population of the City belongs to the poorer sections of the society, the general death-rate is raised. The social and economic causes usually tend to contribute towards an increased death-rate amongst the poorer sections of the people. It is generally observed that nearly 45 per cent. of the mortality is due to deaths of children below 5 years of age. During the year under review, 22.7 per cent. of the deaths were among infants below 12 months. Out of these nearly 54.4 per cent. were recorded under congenital debility, premature birth, malformation, etc. As compared to 1945 and 1946 there is a definite reduction in the deaths of children under 5 years in 1947—percentage of deaths being 43.6, 42.5 and 40.4.

The annual total deaths from different causes in Bombay since 1914 are indicated in the Diagram 'A' facing page No. 1.

The annual death-rates during the last 50 years are indicated in the Diagram 'B' facing Page No. 2.

Mortality by Sex and Age—Of the total number of 37,619 deaths in the year 20,573 were among males and 17,046 were among females. The large number of deaths among males is due to the preponderance of males who constitute nearly 63 per cent. of the population, the actual death-rate being higher among females. Thus male death-rate was 22 and the female death-rate 31 in 1947 as against 24 and 33 respectively in 1946. The comparatively high death rate among females is due to various causes one of them being the enhanced risk to life and health during the child-bearing period. Women are burdened with the responsibility of child-bearing and as during this period a considerable number of them are not properly cared for owing to poor circumstances, want of proper nourishment and rest, they lose their vitality in an early age. Hence they are easily susceptible to various disases to which they fall easy victims.

The following table shows the proportional contribution to the total deaths of each age-group in the two sexes.

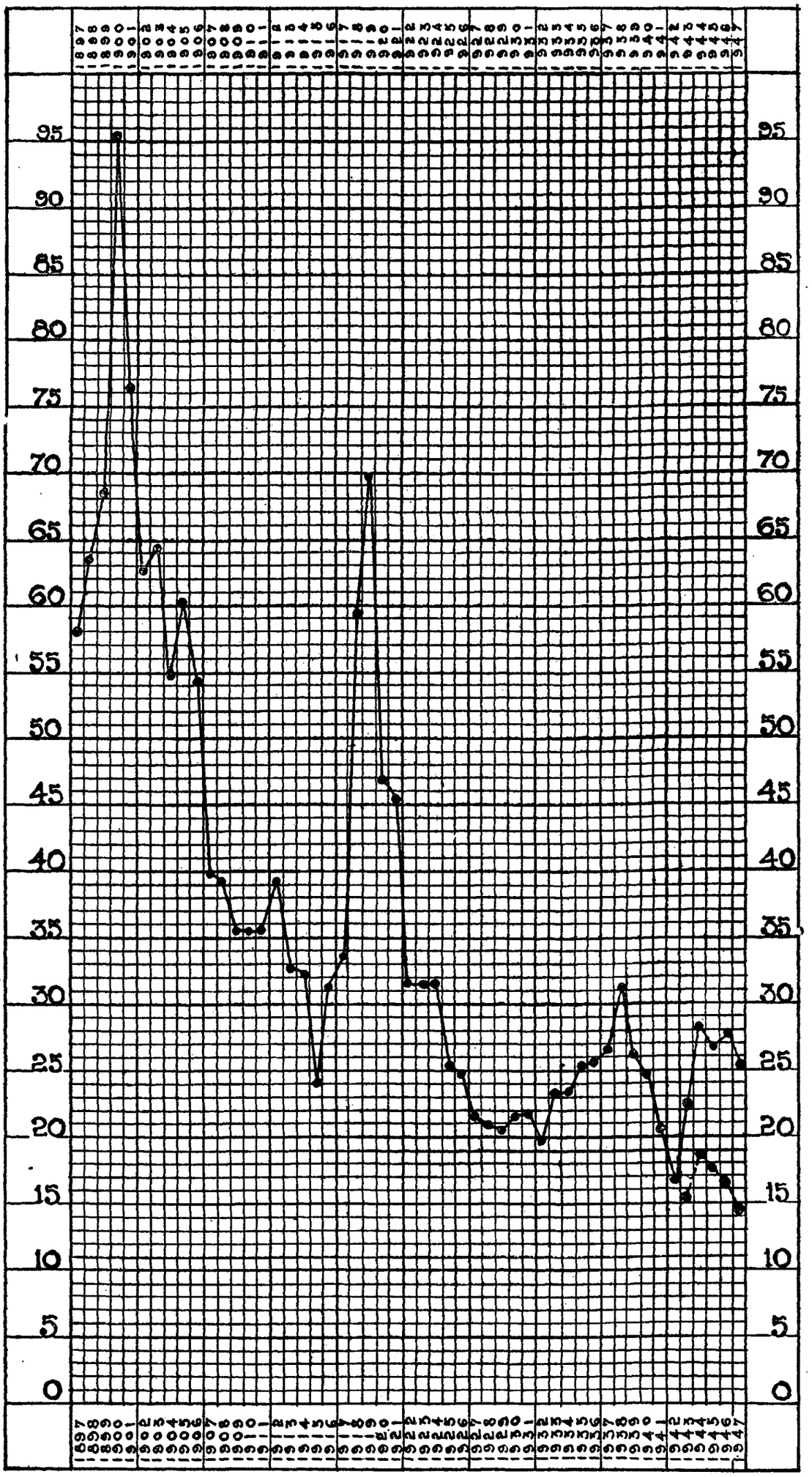
Table of Percentages to the total mortality by age-periods in 1945, 1946 and 1947.

Age Period.	1945		1946		1947			
	Total Mortality.	Percentage.	Total Mortality.	Percentage.	Total Mortality. Male.	Female.	Persons.	Percentage.
Under 1 year	10,125	25.2	10,146	25.3	4,507	3,964	8,471	22.7
1 to 5 years	7,418	18.4	7,111	17.2	3,232	3,412	6,644	17.7
5 to 10 years	13,55	3.4	1,500	3.7	682	728	1,410	3.7
10 to 15 years	762	1.9	883	2.1	370	376	746	2.0
15 to 20 years	1,076	2,7	1,302	3.2	532	577	11,09	2.9
20 to 30 years	4,022	10.0	4,617	11.2	2,077	1,936	4,013	10.6
30 to 40 years	3,706	9.2	3,866	9.4	1,941	1,421	3,362	8.9
40 to 50 years	2,951	7.3	2,954	7.1	2,073	905	2,978	7.9
50 to 60 years	2,926	7.3	2,973	7.2	2,038	900	2,938	7.8
60 years and above	5,866	14.6	5,610	13.6	3,120	2,827	5,947	15.8
Age unspecified	...	...	2	...	1	...	1	...
Total	40,215	100.0	41,264	100.	20,573	17,046	37,619	100.0

DIAGRAM B

ANNUAL DEATH RATE IN BOMBAY

1897 - 1947.



CENSUS POPULATION (1941) = 1489838.

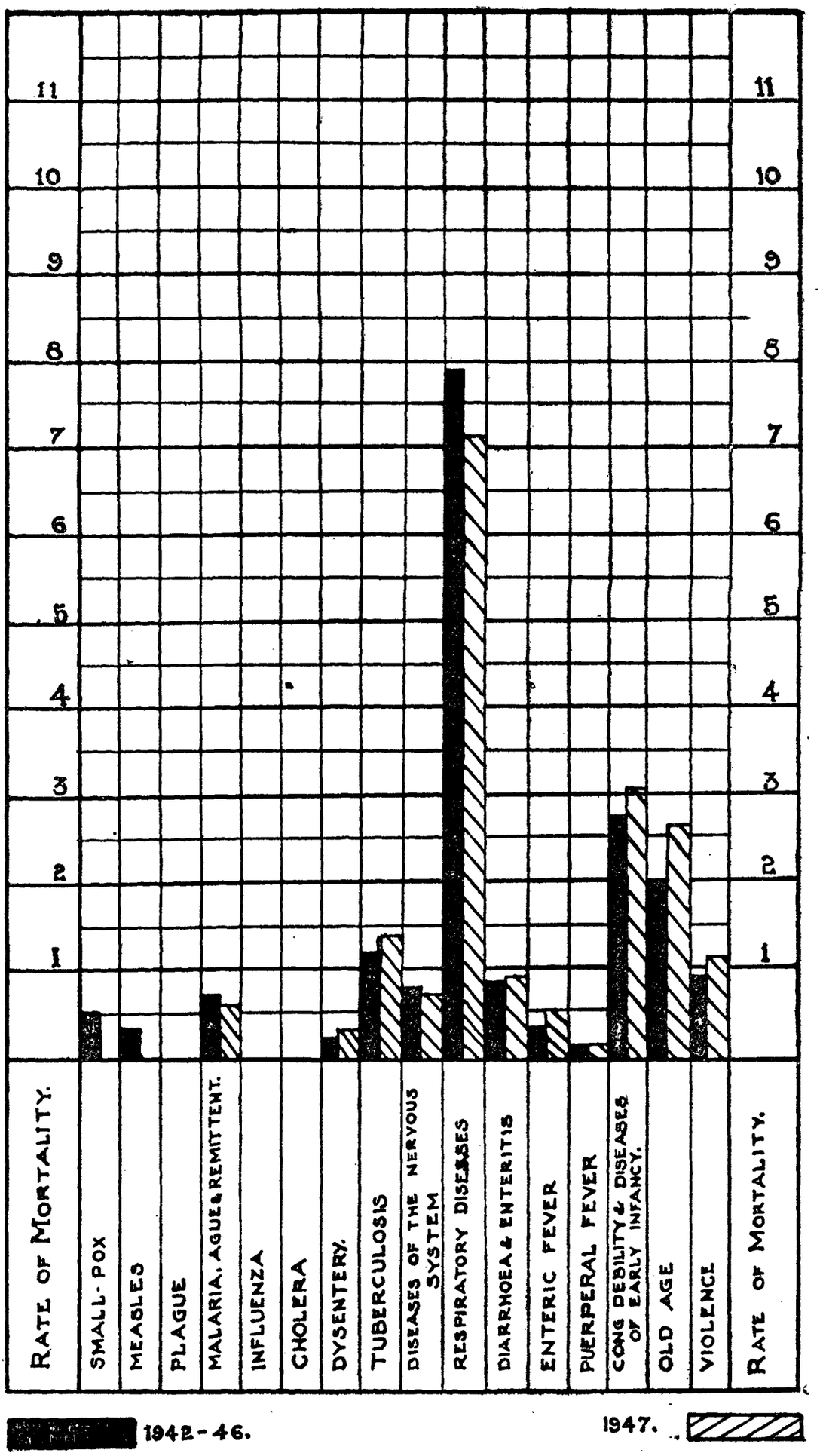
ACTUAL POPULATION = 2553735.

RATE ON CENSUS POPULATION.

" " ACTUAL "

DIAGRAM C

DEATH RATE PER 1000 OF POPULATION FROM PRINCIPAL CAUSES IN BOMBAY IN—1947 AND THE QUINQUENNIAL AVERAGES IN 1942-1946



Principal Causes of Death.—Table of deaths and death-rates from Epidemic Diseases and certain other principal causes of deaths in 1946 and 1947 with averages for 10 years (1937-46) is given below :—

Causes of Death.	Average of years (1937-46)		1946		1947	
	Number of Deaths.	Death-rate per 1,000 of Population.	Number of Deaths.	Death-rate per 1,000 of Population.	Number of Deaths.	Death-rate per 1,000 of Population.
Principal Epidemic Diseases—						
Small-pox ...	847	0.6	858	0.6	18	0.0
Measles ...	303	0.2	625	0.4	39	0.0
Plague ...	1	0.0	4	0.0	4	0.0
Enteric Fever ...	458	0.3	513	0.3	686	0.5
Malarial Fever ...	114	0.1	94	0.1	92	0.1
Ague and Remittent Fever ...	863	0.6	1,048	0.7	731	0.5
Influenza ...	45	0.0	14	0.0	13	0.0
Cholera ...	5	0.0	2	0.0	29	0.0
Dysentery ...	432	0.3	322	0.2	410	0.3
Diptheria ...	73	0.0	96	0.1	65	0.0
Other Principal Diseases—						
Tuberculosis ...	1,920	1.4	1,914	1.3	2,125	1.4
Cerebro-Spinal Fever ...	72	0.0	60	0.0	26	0.0
Diseases of the Nervous System ...	1,160	0.8	1,066	0.7	1,066	0.9
Diseases of the Respiratory System ...	11,516	8.5	13,346	8.9	10,632	7.1
Diarrhoea and Enteritis ...	1,112	0.8	1,089	0.7	1,339	0.7
Puerperal State ...	41	0.0	154	0.1	106	0.1
Congenital Debility and Diseases of early Infancy	3,838	2.8	4,712	3.2	4,638	3.1
Old Age ...	2,621	1.9	3,493	2.4	3,900	2.6
Leprosy ...	58	0.0	55	0.0	70	0.0
Violence ...	1,068	0.8	2,016	1.3	1,695	1.1
Other Causes ...	7,471	6.4	9,783	6.6	9,935	6.8
Total ...	34,018	25.7	41,264	27.7	37,619	25.2

It will be seen from the Table at Diagram 'C' that diseases of the Respiratory system were responsible, as usual, for the higher death-rate (7.1 per 1,000) than any other group. A large proportion of deaths from Respiratory diseases occurs among infants and children under 5 years of age. Congenital Debility and Diseases of early infancy constitute the next most fatal group, giving a death-rate of 3.1 per 1,000 persons living. The group coming next on the list for the year under report is deaths attributed to old age (2.6) and Tuberculosis (1.4).

Certification of Causes of Deaths.—The percentage of deaths certified to the total number of deaths in 1947 and the preceding 5 years are shown in the following table :—

Year.	Total Deaths.	Verified by District Registrars.	Number of Certificates of the Cause of Death received from						Percentage of Total Certificates received to the Total Mortality.
			Medical Officers of Hospitals.	Private Medical Practitioners.	Hakims and Vaidyas.	Commissioner of Police.	Coroner of Bombay.	Total.	
1942 ...	25,177	14,213	6,283	3,152	41	207	1,281	10,964	43.5
1943 ...	34,165	20,517	6,964	4,643	38	341	1,662	13,648	39.9
1944 ...	41,882	26,160	7,588	6,013	64	329	1,728	15,722	37.5
1945 ...	40,215	26,133	7,275	4,723	61	384	1,639	14,082	35.0
1946 ...	41,264	25,004	9,142	4,264	16	342	2,496	16,260	39.8
1947 ...	37,619	23,504	7,371	4,022	7	410	2,305	14,115	37.5

Table No. 12 appended to the report gives detailed information regarding the incidence of deaths from principal causes by months.

The mortality from Plague, Small-pox, Cholera, Influenza, Tuberculosis and Fevers in 1947 is discussed on pages 7 to 11.

The mortality rates for several diseases among different communities in the City are shown in Table No. 14 appended to the report.

Mortality by Months.—The following table shows the total number of deaths registered in each month of the year. The number of monthly total deaths in 1946 is added to the table for comparison.

Table showing the monthly total deaths in 1946-47.

	Months												
Year,	Jan,	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1946	3,743	4,075	4,598	3,887	3,832	3,216	3,486	3,234	3,195	2,930	2,499	2,569	41,264
1947	2,567	2,191	2,542	2,789	3,099	3,011	3,297	3,782	3,796	3,672	3,444	3,429	37,619

Mortality by Sections.—Table No. 6 (Appendix) shows total deaths and death-rates by Section in 1947 and the quinquennial averages (1942-46) and Table No. 9 (Appendix) shows total deaths by sections and by months during 1947.

Copies of Death and Birth Certificates issued.—During the year 6,704 copies of registry of death and 2,661 copies of certificates of birth were issued. The total fees received for copies of certificates and for searches of birth and death registers for various periods and for producing registers in courts of law amounted to Rs. 17,996-2-0 against 15,979 in 1946.

INFANT MORTALITY

The deaths among infants under one year of age numbered 8,471 being less by 1,975 than those in the preceding year and by 503 than the annual average of the decennium (1937-1946). The infant mortality rate expressed as the number of deaths among infants per 1,000 live births registered, was 166.6 for the year 1947 as against 195.4 for the previous year. The rate is the lowest ever recorded so far in the history of the Public.

Health Administration of the City. To have an effective check over infant deaths, arrangements for ante and post-natal as well as infant care must be improved and extended, and this problem should be considered as one of the vital importance in framing the post-war Reconstruction Schemes.

Of the 8,471 infants who died within one year of their birth, 6,332 or 74.7 per cent. were born in Bombay City and 2,139 or 25.3 per cent in the mofussil (*vide* table below showing the place of birth of the infants). The births of these 2,139 infants were thus not registered in the City Registers. If, therefore, the figure 2,139 is excluded from the total number of infants who died in the City during the year the rate of infant deaths per 1,000 births registered would be 124.6 instead of the official figure 166.6 shown above. How much of this reduction in the rate can be set off against the deaths of infants occurring outside the City though born and registered in Bombay, cannot be estimated. But in the absence of any specific cause for emigration the number will be small and therefore the infant death-rate after correction for residence would be approximately 124.6 per 1,000 live births *i.e.*, much lower than the recorded rate of 166.6

STATEMENT SHOWING THE NUMBER OF CHILDREN BORN IN AND OUT OF BOMBAY WHO DIED BEFORE COMPLETING TWELVE MONTHS OF AGE IN 1947.

	Born in Bombay		Born out of Bombay.	Deaths under 1 year of age.	
	Births regstered.				
	Before death	After death.			
Total ..	5,025	1,307	2,139	8,471	
Percentage ..	59.3	15.4	25.3	100.0	

The percentage of deaths amongst children born in the mofussil and not registered in the City to the total infant deaths in 1947 was 25.3 against 24.5 in 1946 and 25.3 in 1945.

Diagram 'D' facing this page shows the incidence of Infant Mortality rate during the last 65 years.

Cause of death.—It will be seen from the subjoined Table that 7,013 or nearly 82.7 per cent of the total deaths among infants were due to diseases of the respiratory system, infantile debility and premature birth against 8,407 deaths, or 80.5 per cent in 1946. Diarrhoea and Enteritis caused 421 deaths, Malaria, Ague and Remittent fever caused 46 deaths and Convulsions caused 405 deaths. The deaths from Small-pox and Measles numbered 1 and 7 respectively.

INFANT MORTALITY FROM PRINCIPAL CAUSES FROM (1942-47).

Cause of death.	1942.	1943.	1944.	1945.	1946.	Average 1942 to 1946.	1947.	More or less.
Small-pox ...	107	67	165	34	72	88	1	— 87
Measles ...	47	61	292	49	251	140	7	—133
Malarial Fever ...	9	6	11	3	6	7	5	— 2
Ague and Remittent Fever and Fever not defined ...	44	64	69	93	138	82	41	— 41
Diarrhoea and Enteritis ...	373	508	567	509	541	500	421	— 79
Dysentery ...	45	53	97	49	56	60	32	— 28
Infantile Debility and Malformation including Premature Birth ...	2,871	4,126	5,001	4,468	4,708	4,235	4,609	+374
Diseases of the Respiratory System ...	1,989	2,857	3,994	3,634	3,699	3,235	2,404	—831
Convulsions ...	227	319	564	522	330	392	405	+ 13
All Causes ...	6,164	8,690	11,552	10,125	10,446	9,395	8,471	—924

Quinquennial Averages.—Compared with the average of the preceding 5 years, the total number of deaths among infants was less by 924, the principal decrease in the mortality being 831 under diseases of respiratory system, 133 under measles, 41 under Ague and Remmittent fever, 79 under Diarrhoea, 87 under Small-pox, 28 under dysentery, 2 under Malaria, while there was increase of 374 under infantile debility and 13 under convulsions.

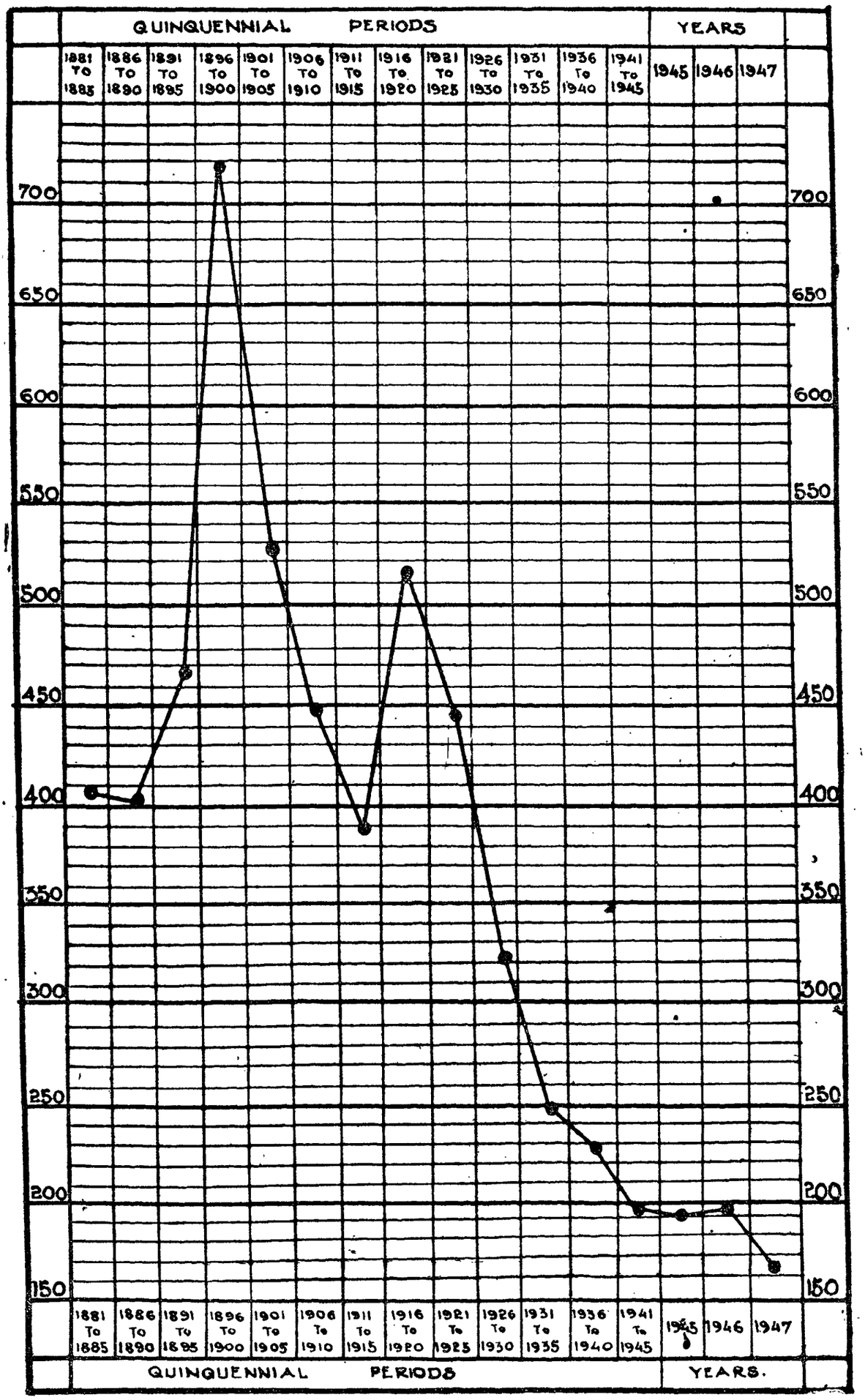
Age at Death.—The following table classifies the infantile deaths from principal causes in 1947 under different groups, upto 1 year, namely under 7 days, 1-4 weeks, 4 weeks to 6 months and 6-12 months.

TABLE OF DEATHS AMONG INFANTS FROM PRINCIPAL CAUSES BY AGE-PERIODS IN 1946.

Age-period.	Small-pox.	Measles.	Malarial fever	Ague and Remittent fever and fever not defined.	Diarrhoea and Enteritis.	Dysentery.	Infantile Debility and Malformation including premature birth.	Diseases of the Respiratory system.	Convulsions.	All causes.	Percentage of death in age-period to the total deaths under 1 year of age.
Under 7 days ...	...	...	...	6	10	...	1,955	30	121	2,197	25.9
1 to 4 weeks ...	...	...	1	11	77	2	1,119	89	47	1,402	16.6
Total under 4 weeks ...	...	1	17	87	2	3,074	119	168	3,599	42.5
4 weeks to 6 months ...	2	2	9	150	11	962	924	148	2,307	27.2
6 to 12 months ...	1	5	2	15	184	19	573	1,361	89	2,565	30.3
Total ...	1	7	5	41	421	32	4,609	2,404	405	8,471	100.0

DIAGRAM D

DEATHS IN INFANTS PER 1000 BIRTHS IN BOMBAY.(1881-1947.)



Of the total deaths among infants, 2,197 or 25.9 per cent. took place in the first week of life and 1,402 or 16.6 per cent. in the age period of 1-4 weeks. The mortality among infants who had not completed the first month of life was thus 3,599 or 42.5 per cent. of the total infant deaths. The number of deaths in the groups 4 weeks to 6 months, and 6-12 months was 2,307 and 2,565 being respectively 27.2 and 30.3 per cent.

Neonatal Death-rate.

Year.	Births.	Deaths.	Rate.
1938	36,748	3,450	93.9
1939	37,822	3,332	88.1
1940	38,833	3,049	78.5
1941	39,954	3,325	83.2
1942	31,536	2,511	79.6
1943	44,015	3,568	81.1
1944	56,907	4,306	75.7
1945	53,170	4,031	75.8
1946	53,469	4,094	76.5
1947	50,833	3,599	70.8

TABLE OF PERCENTAGE OF INFANT DEATHS FROM PRINCIPAL CAUSES AT SEVERAL AGE-PERIODS IN 1947.

Age-period.	Small-pox.	Measles.	Malarial fever.	Ague and Remittent fever and fever not defined.	Diarrhoea and Enteritis.	Dysen-tery.	Infantile Debility and Mal-formation including premature births.	Diseases of the Respiratory system.	Convul-sions.	Other causes.	All causes.
Under 7 days ...	...	...	...	0.3	0.5	...	90.0	1.4	5.5	2.3	100.0
1 to 4 weeks ...	...	...	0.1	0.9	5.9	0.1	79.8	6.3	3.4	3.5	100.0
4 weeks to 6 months	...	0.1	0.1	0.4	6.5	0.5	41.7	40.1	6.4	4.2	100.0
6 to 12 months ...	...	0.2	0.1	0.6	7.2	0.7	22.3	53.1	3.5	12.3	100.0
Total percentage for all ages up to 1 year	...	0.1	0.0	0.5	4.9	0.4	54.4	28.4	4.8	6.5	100.0

The salient features of the above table are the magnitude of the role played by debility and prematurity in the causation of deaths in the first 4 weeks of life and the large proportion of deaths from respiratory diseases during the remaining 11 months of infancy. The research work into the bearing of premature and immature births on infant mortality undertaken during the last year was completed this year and a report on the findings will be submitted to the Governing Body and Scientific Advisory Board of the Indian Research Fund Association shortly.

Infant Morality by Months.—The sub-joined table shows the number of deaths among infants in each month of the year. For comparison the monthly total number of deaths at the age of 1 year and upwards is also inserted.

	NUMBER OF DEATHS.												
Age period.	Jan.	Feb.	Mar.	April.	May.	June.	July	Aug	Sept.	Oct.	Nov.	Dec.	Total
Under 1 year ...	567	454	564	609	751	698	701	823	892	889	732	791	8,471
1 year and up-wards.	2,000	1,737	1,978	2,180	2,348	2,313	2,596	2,959	2,904	2,783	2,712	2,638	29,148

Table No. 13 appended to the report shows the number of deaths among infants under one year of age by causes in detail and by months.

Infantile Mortality by Races.—The following table shows the death-rates among infants of different communities.

INFANT MORTALITY BY CASTE AND INFANTILE DEATH RATE PER 1,000 OF BIRTHS REGISTERED IN EACH CASTE IN 1947.

Race or Caste.	Death under 1 year.	No. of Births registered.	Infant Mortality per 1,000 births registered.
Hndus, Scheduled Classes ..	1,441	5,984	240.8
Hindus, Other Castes ..	5,057	30,885	163.7
Mussalmans (includng Negro Africans) ..	1,298	8,298	156.4
Parsees ..	69	970	71.1
Jews ..	35	438	79.9
Indian Christians ..	534	3,778	141.3
Anglo-Indians ..	20	186	107.5
Europeans ..	6	199	30.2
Buddhists ..	3	38	78.9
Other and Unknown Castes ..	8	57	140.3
Total ..	8,471	50,833	166.6

PREVENTION OF INFANTILE MORTALITY.

The usual maternity and child welfare work started at the clinics at the five Maternity Homes since 1939 was continued during the year. This work comprises of ante-natal, natal, post-natal infant and pre-school care at home and at clinics. The clinics are open for 2 days in a week for each group. They are conducted by Medical Officers in charge of the Maternity Homes who are assisted by the Health Visitors attached to them. The Health Visitors are required to visit expectant mothers or mothers and children attending the clinics at their homes to see if they follow the advice given to them, to go in search of expectant mothers and to advise and to persuade them to attend the clinics and to avail themselves of the Municipal Maternity Homes or other Hospitals in the City for confinement and to conduct maternity cases at homes of those who do not avail themselves of these facilities. Throughout this work the main objectives kept in mind are continuous medical supervision and health education. Attempts are made to lay greater emphasis on the education of the mothers with regard to their own care during pregnancy and that of the children after they are born.

The Health Visitors in their visit to the Districts are also required to trace prospective mothers particularly among the poorer and ignorant classes and to advise and persuade them to attend the ante-natal clinics and subsequently to avail themselves of the facilities existing in the City in the form of free Maternity Homes and Hospitals.

The Maternity and child welfare centre sanctioned for Dharavi by providing a resident Health Visitor continued its work during the year, under supervision of the Medical Officer, Cadell Road Maternity Home.

During the year 1947 the Health Visitor at Dharavi paid 1,028 visits to ante-natal cases, 967 to post-natal cases, 1,448 to infants, 804 to pre-school children and 388 other visits making 4,635 in all. Out of 213 women confined from the area, 87 were confined in hospitals, 71 by the Health Visitor and the remaining 55 confined at home.

The Health Visitors paid 54,744 visits in various districts. They also attended 51 cases of confinements during the year. In 4,094 cases, personal visits were paid by the Medical Officers in charge of the Maternity Homes.

This activity of maternity and child welfare, needs further expansion, both with regard to facilities for ante-natal and post-natal work and infant and pre-school welfare. More Maternity Homes and at least 60 more Health Visitors who could take up generalised health nursing work must be provided if the City is to be adequately served. The Clinics now held in the existing maternity homes should be further extended to the field areas where the mothers could attend in larger numbers and at regular intervals more conveniently than is at present possible owing to long distances and expenses involved. Attempts are being made to expand the work on these lines but the schemes for expansion of work submitted to the Corporation and approved in principles but deferred for post war re-construction have to be taken up at an early date.

The following table shows the work done at the Clinics and by Health Visitors in the year 1947 :—

Particulars.	No. of Cases.
(1) Number of cases confined by the Health Visitor in the District ..	49
(2) Visits by Health Visitors—	
Ante-natal ..	11,848
Natal ..	3,455
Post-natal ..	12,888
Infant ..	17,437
(3) Number of cases visited by the Medical Officers ..	4,094
(4) Number of cases registered in the clinics—	
Ante-natal ..	18,504
Post-natal ..	3,675
Infant ..	5,651
Others ..	1,687
(5) Total number of cases confined in the Homes ..	6,627
(6) Number of cases not registered at the Ante-natal Clinics but confined in the Homes ..	671

Relief to the poor and needy women during confinements, in the shape of necessaries and comforts such as milk, bread, blankets, charpoys and linen could not be given on account of rationing restrictions.

Municipal Maternity Homes.—There are five maternity homes maintained by the Municipality. The number of mothers admitted to the homes and the number of beds in each home were as follows :—

Maternity Homes.	Number of Cases Admitted.		No. of Beds.
	1946.	1947.	
Mahomed Haji Saboo Sidik Maternity Home at Bellasis Road	2,072	1,585	37
Kamar Khanum Maternity Home at Victoria Cross Road	1,439	1,142	37
Mahomed Haji Saboo Sidik Maternity Home at Imamwada	1,983	2,128	19
Mahomed Haji Saboo Sidik Maternity Home at Worli	1,576	1,705	24
Sorabji Shapurji Engineer Maternity Home at Khetwady	1,046	1,087	12
Total ..	8,116	7,647	129

Total number of women admitted during the year was 7,647 as against 8,116 in 1946. The number of cases confined in the homes was 6,596 as against 7,005 in 1946. Of the women confined 1,363 were primaparae.

Out of 53,767 births (including 2,934 still-births) registered in the City in 1947, 43,524 or 80.8 per cent. took place in the maternity Homes, and hospitals as against 43,620 or 77.1 in 1946.

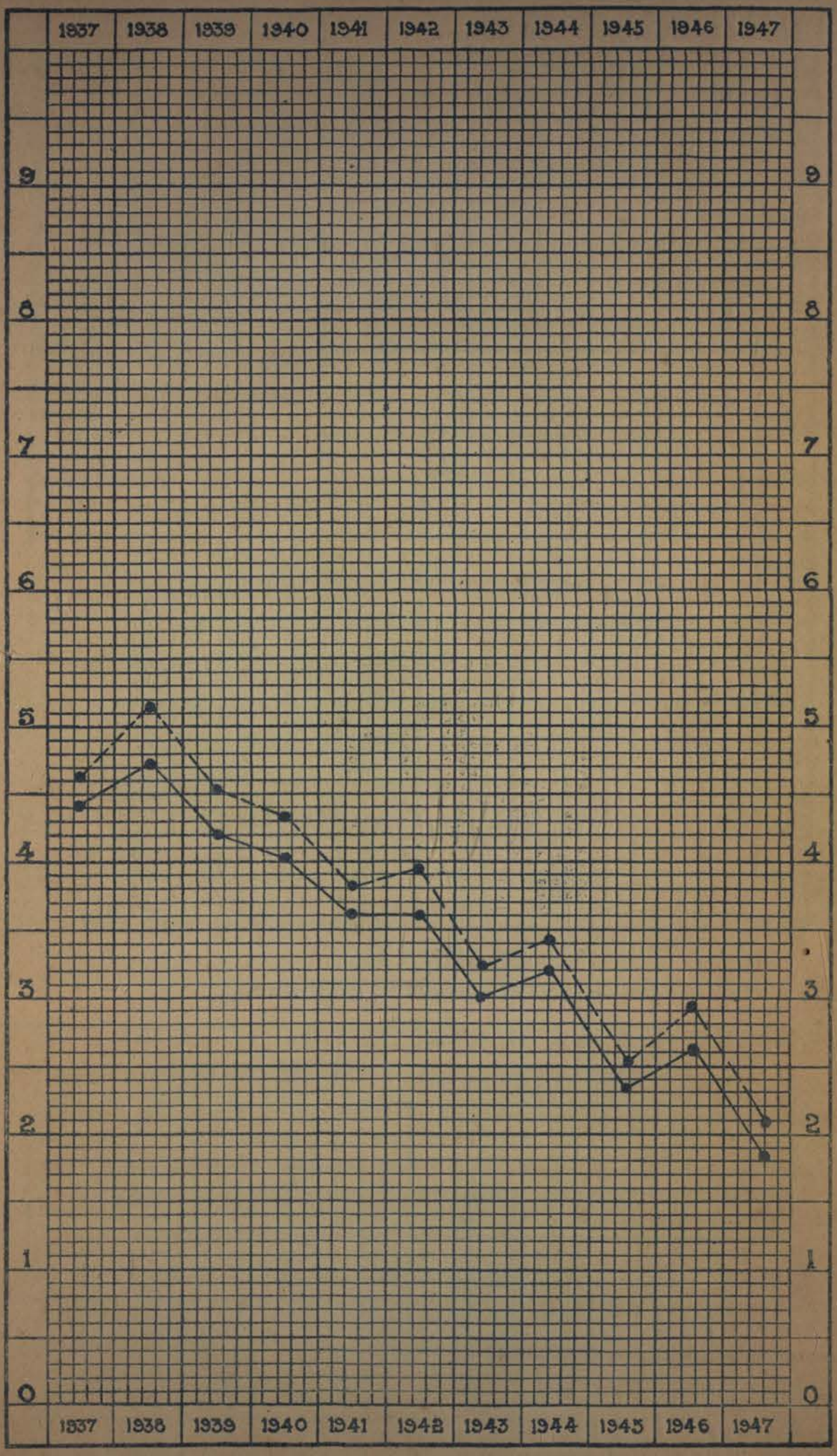
DIAGRAM E

RATE OF MATERNAL DEATHS PER 1000 OF BIRTHS

RATE ON LIVE BIRTH

RATE ON BIRTHS INCLUDING STILL BIRTHS

1937 - 1947.



	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
MATERNAL DEATH	165	186	169	166	152	122	143	194	133	154	106
BIRTHS	37795	39313	40548	41485	42608	33545	47144	56907	53170	53469	50833
RATE	4.4	4.7	4.2	4.0	3.6	3.6	3.0	3.2	2.3	2.7	1.9
RATE	4.6	5.1	4.5	4.3	3.8	3.9	3.2	3.4	2.5	2.9	2.1

DIAGRAM F

CLIMATIC CONDITIONS IN BOMBAY.

IN 1947

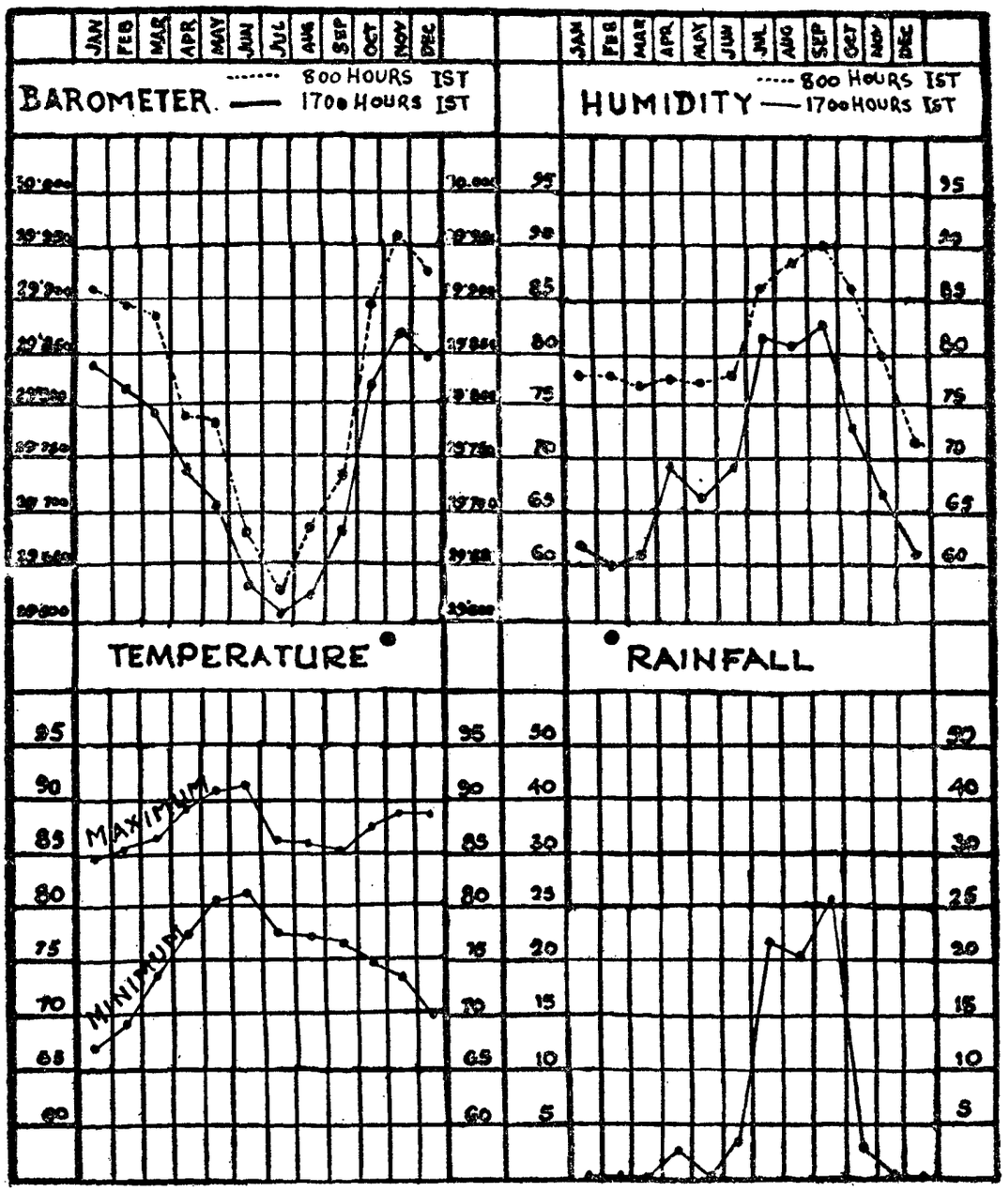
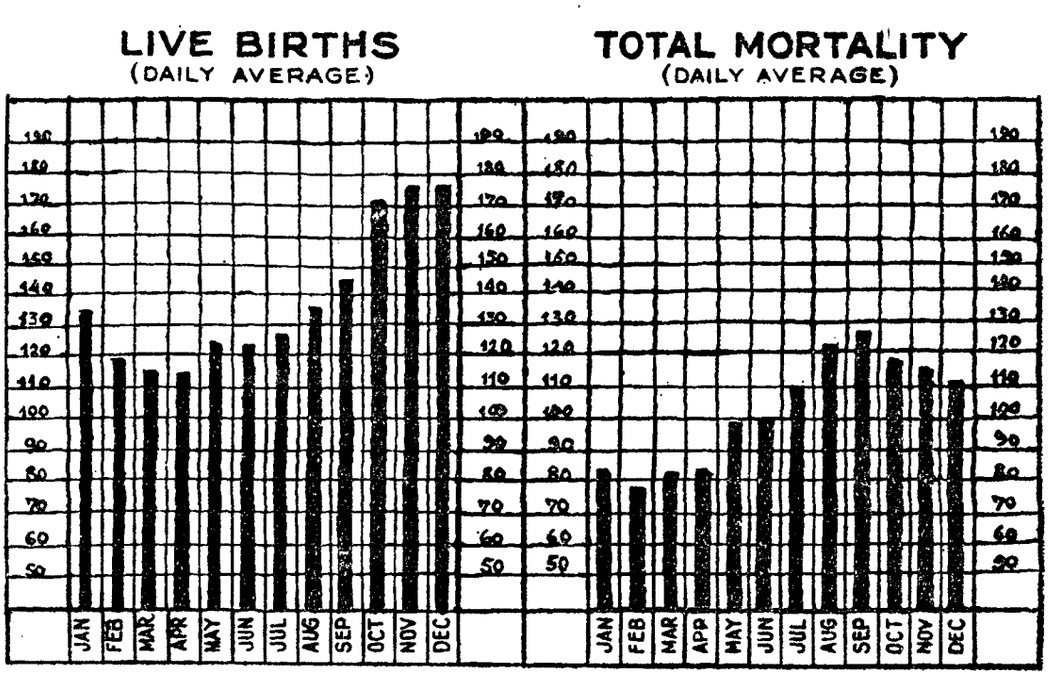


DIAGRAM F-1

DAILY MEAN BIRTHS AND DEATHS

IN 1947.



MEASURES FOR THE REDUCTION OF INFANT MORTALITY.

In the annual reports, since the year 1920, it has been repeatedly stated that the percentage of deaths among infants under 1 year of age to the total mortality has been higher than in the case of any other age group. The schemes suggesting ways and means to reduce the infant mortality submitted to the Corporation have, as stated above, been deferred for better times.

Maternal Mortality.—The following table gives the classification of causes of deaths in Puerperal state in 1947 as required under Corporation Resolution No. 10544, dated the 30th March 1931 :—

No.	Specific causes of Death.	No. of Deaths.
	Diseases of Puerperal State.	
1	Ante-partum Haemorrhage	11
2	Post-partum Haemorrhage	28
3	Toxaemias (*Eclampsia. Hyperemesis Gravidarum, Acute Yellow Atrophy, Albuminuria*)	29
4	Puerpeal Sepsis (*Sepraemia, Septicaemia, Phlegmasis Albodolens, Coli Infection. etc.*)	17
5	Embolism	..
6	Shock during or immediately after delivery	12
7	Anaemia of Pregnancy	..
8	Malaria	..
9	Influenza, Pneumonia	..
10	T.B.	..
11	Heart Disease	2
12	Operative Interference	1
13	Ruptured Uterus	2
14	Breast Diseases	..
15	Puerperal Insanity	2
16	Other Causes	2
	Total	106

(Complications of Pregnancy.)

The attached chart "E" in this case is of interest.

Maternal Mortality Rate.—The maternal mortality rate which varied between 4.0 and 7.0 till the year 1940 came down to 3.6 in the year 1941 and it is gratifying to note that in spite of the disturbing factors, such as insufficient housing accommodation, we were able to maintain very low death-rate year by year and this rate for the year 1947 was 2.1 as against 2.9 in the preceding year, which is the lowest recorded so far.

The desirability of imparting instructions in contraceptives to married women whose physicial condition shows that their life would be endangered by pregnancy and to those attending Tuberculosis and Venereal Diseases Clinics in whom pregnancy would be dangerous both to the heatlh of the mothers and that of the children that may be born to them, was accepted by the Corporation and a proposal to start, as an experimental measure, 2 Birth Control Clinics in Municipal Institutions was accepted by the Corporation under their Resolution No. 103 of 2nd May 1946. 2 Family Planning Clinics have accordingly been started, one at Girgaum District No. 6, and one at Dadar, District No. 10. The Clinics are working under a Medical Officrer-in-Charge who is assisted by a Health Visitor and an Ayah. The clinic at Girgaum works on Mondays, Wednesdays and Saturdays, and that at Dadar works on Tuesdays, Thursdays and Fridays. The working hours of the clinics are 11-30 A.M. to 1-30 P.M. (B.T.). Instructions are given at these clinics to the necessitous mothers who are provided with contraceptive appliances. They are also advised to revisit the clinics periodically. The Health Visitor pays domiciliary visits to mothers every 2 months and thus helps the Medical Officer in maintaining the follow up work. The Health Visitor also does propaganda work among the needy mothers by visiting the mothers. The work done by the Clinics from 1-4-1947 is given below :—

(1) Number of total attendance at the Clinics	268
(2) Number of women given free appliances	67
(3) Number of women who received appliances on payment	11

METEOROLOGY OF 1947.

Table No. 17 appended to the report gives the mateorological data of 1947.

Rainfall.—The total rainfall recorded at the Colaba Observatory during the year 1947 was 77.09 against 79.14 in 1946 and 90.38 in 1945 and was more than normal by 6.1. The Rain fell on 75 days during the year against 91 days in 1946 and 79 in 1945.

The maximum monthly rainfall was 25.45 inches in September against 21.61 inches in June of 1946.

EPIDEMIC AND OTHER DISEASES.

Notification of Infectious Diseases.—Under the existing provisions of the Municipal Act Medical Practitioners are required to report to the Health Authority cases of infectious diseases noticed or treated by them. The total number of infectious diseases reported during the year was 4,282 as against 5,800 in 1946. Of these 4,166 or 97.3 were reported by the District Registrars and 116 or 2.7 by the Medical Practitioners. No cases were notified by Hakims and Vaidyas.

The diseases to which the notifications related, are set out by sections in Table No. 4 (Appendix).

Plague.—11 Cases occurred, all being imported (of which 4 proved fatal).

Anti-Plague Measures.—The usual preventive and precautionary measures, namely (1)Inoculation and (2) Rat Destruction, were continued during the year.

(1) **Inoculation.**—During the year 1,615 inoculations against Plague were performed, out of which 302 were done at the Haffkine Institute. These were among the peopel who had to visit plague striken districts outside the City Limits.

(2) **Rat Destruction.**—The total number of rats caught and destroyed during the year was 8,38,478 against 6,78,982 in 1946. This was the highest catch recorded in any one year since 1912. The next highest was 8,28,945 in the year 1945. It will be seen from the following statement that of the 8,38,478 rats caught and sent to the Haffkine Institute, 3,13,440 were examined and no rat was found infected. The last date on which an infected rat was detected in the City was 11th October 1934.

STATEMENT SHOWING THE NUMBER OF RATS SENT TO THE HAFFKINE INSTITUTE, THE NUMBER EXAMINED AND THE NUMBER FOUND INFECTED IN 1947.

Months.	No. of Rats sent to the Haffkine Institute.	No. of Rats Examined Total.	No. of Rats found Infected.	Ratio Per cent.
January	52,700	27,495		
February	73,767	42,244		
March	81,062	45,078		
April	73,328	28,432		
May	69,851	22,433		
June	68,388	22,762		
July	78,347	18,774	*Nil.*	*Nil.*
August	77,810	18,183		
September	69,799	16,478		
October	64,631	20,565		
November	56,663	20,888		
December	72,132	30,108		
Total ..	8,38,478	3,13,440	..	..

SUSCEPTIBILITY OF HOUSE RATS.

In experiments carried out on rat susceptibility to plague during 1947 the percentage of house rats that succumbed to the standard plague infective dose worked out to 12.0 per cent. as against 14.5 per cent. in 1946. The slight decrease in susceptibility as compared to 14.5 per cent. of the year 1946 was of no special significance.

Small-pox.—Small-pox caused 62 attacks (including 29 imported) and 18 deaths.

TABLE .

STATEMENT SHOWING SMALL-POX ATTACKS AND DEATHS BY MONTHS FROM 1933 TO 1947.

Year		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	Death rate	Fatality rate	Remarks.
1933	A.	692	1,484	1,376	542	229	73	24	14	...	4	6	19	4,463	2.3	59.6	Epidemic period from 17-12-1932 to 3-6-1933 6 months and 18 days.
	D.	394	889	775	328	168	59	17	8	...	4	6	11	2,659			
1934	A.	43	48	51	42	29	10	6	5	13	9	5	22	283	0.1	53.7	Sporadic.
	D.	16	22	28	29	13	8	3	4	7	5	3	14	152			
1935	A.	127	221	412	465	300	195	112	55	25	12	19	34	1,977	1.1	63.1	From 2-2-1935 to 6-7-1935 5 months and 4 days.
	D.	71	118	263	278	203	140	70	40	15	6	11	24	1,148			
1936	A.	110	238	308	336	194	101	58	28	17	11	3	7	1,411	0.8	64.2	From 22-2-36 to 6-6-36 3 months and 16 days.
	D.	64	139	190	228	131	71	35	21	14	6	3	4	906			
1937	A.	29	50	80	152	133	115	90	46	54	34	89	325	1,197	0.6	57.5	From 19-12-37 to 14-5-38 4 months and 26 days.
	D.	16	30	62	79	90	81	59	32	24	20	39	156	688			
1938	A.	678	965	903	403	167	53	36	13	8	5	...	2	3,233	1.6	57.6	
	D.	356	549	509	248	116	38	30	12	2	1	...	1	1,862			
1939	A.	15	20	60	50	48	44	40	29	7	6	12	37	368	0.2	54.6	Sporadic.
	D.	9	15	25	19	25	26	29	19	1	5	8	20	201			
1940	A.	115	184	235	390	276	172	95	29	22	32	65	115	1,730	0.7	48.2	From 31-3-1940 to 15-6-40 2 months and 16 days.
	D.	43	78	106	182	143	103	61	17	10	18	19	54	834			
1941	A.	345	646	581	308	199	108	30	30	14	15	4	35	2,325	0.8	55.6	From 19-1-41 to 17-4-41 3 months and 19 days.
	D.	171	317	323	189	140	64	25	24	8	7	10	18	1,293			
1942	A.	166	257	603	338	57	14	6	3	...	3	2	5	1,454	0.4	40.6	From 8-3-42 to 18-4-42 1 month and 11 days.
	D.	70	141	220	116	33	4	2	2	...	...	...	3	591			
1943	A.	28	71	200	169	152	106	90	71	88	70	76	197	1,318	0.3	39.4	Sporadic (no epidemic).
	D.	10	26	73	56	78	48	31	32	42	35	25	63	519			
1944	A.	625	1,032	1,194	577	187	62	36	13	3	3	3	6	3,741	0.9	37.1	From 15-1-44 to 29-4-44 3 months and 15 days.
	D.	202	411	421	188	103	33	24	3	...	..	2	4	1,391			
1945	A.	14	22	58	83	67	60	44	34	31	31	36	123	603	0.1	38.9	Sporadic.
	D.	7	4	11	27	26	33	15	17	9	15	12	50	235			
1946	A.	256	556	762	621	174	44	10	1	3	..	3	1	2,431	0.6	35.2	Sporadic.
	D.	124	256	225	193	36	22	2	...	...	..	...	...	858			
1947	A.	6	2	2	5	8	6	7	5	5	4	6	6	62	0.0	29.0	Sporadic.
	D.	1	...	...	1	1	...	2	2	2	1	4	4	18			

Vaccinations were offered as a measure of personal prophylaxis throughout the year. The number of primary vaccinations done during the year was 57,846 against 51,574 in 1946 and that of re-vaccinations was 2,36,497 as against 9,63,301 in 1946. 1 death from small-pox occurred among children under one year of age during the year.

It is always desirable that the number of primary vaccinations done every year should be at last equal to the number of births registered in that or the previous year if not more. While this number has always been less in the past, the number done in 1944, 1945, 1946 and 1947 were more than the births registered in any previous year.

Cholera.—114 Cases occurred (all imported) of which 29 proved fatal.

Influenza.—Influenza was recorded as the cause of 13 deaths during the year as against 14 in 1946 and 41 the average for the preceding decennium (1937-46).

Enteric Fever.—Enough has been said in the report for the year 1942 with regard to the belief that the incidence of Typhoid was on the increase since 1938 and it can safely be said that such a belief cannot be correct in view of the fact that there has been a marked decrease in the number of deaths which were till then attributed to be due to Ague and Remittent fever and corresponding increase in the number of deaths from Typhoid. This increase in cases of Typhoid was mainly due to increased knowledge about the cases of Typhoid occurring in the City since 1938 and better notification by Medical Practitioners on account of the facilities given to them by Government by examining blood samples at the Haffkine Institute. Efforts made to prevail upon Government to revive these facilities which were withdrawn for the last four years have not been successful so far.

Measures for the prevention of typhoid such as the conversion of privies into water closets, removal of dust-bin sheds, introduction of house to house collection of refuse all over the City, covering of open drains and laying sewers in the unsewered parts of the City had unfortunately to remain in abeyance till the end of the war. Since the War has ceased the system of house to house collection of refuse has been introduced in A D, F and G Wards and will gradually be extended to other parts of the city : as a result of the introduction of this system, 13 refuse sheds and 9 dust-bins carts were done away with. Insecticide Officer and Food Inspector have also been appointed respectively for the destruction of flies and rotten food stuffs found exposed for sale in the City.

The number of cases, *viz.*, 1,664 during the year was more than the number reported in the year 1946 by 676. The number of inoculations done was 1,92,304. All preventive measures are as a rule taken in every case of fever suspeced or definitely reported to be Typhoid and from the incidence of the disease it can be inferred that the measures taken were satisfactory.

The following table shows the number of cases of enteric fever registered in each month during the year. The number of deaths from this cause is shown in Table 10 (Appendix) by sections and in Table No. 12 (Appendix) by months :—

Disease.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Enteric Fever ..	42	62	77	75	95	107	104	132	145	168	248	401	1664

Out of 1,664 total cases, 229 were imported. The total number of deaths was 686 as against 513 in 1946. Comparison with the number of deaths from the disease for the last ten years is shown in Table No. 11 (Appendix).

The following table shows the total number of deaths from enteric fever, fatality-rate,number of cases admitted to hospitals, number of cases notified by the Medical Practitioners and number of inoculations and Attack Rate since 1939.

	1939	1940	1941	1942	1943	1944	1945	1946	1947
Attacks ..	723	904	1,123	1,018	1,562	1,008	1,329	988	1664
Deaths ..	249	399	554	375	567	459	616	513	686
Fatality rate ..	34.4	44.1	49.3	36.8	36.3	45,5	46.3	51.9	41.2
Death-rate ..	0.2	0.3	0.4	0.2	0.4	0.3	0.4	0.3	0.5
Hospitalization ..	..	517	765	841	1,348	927	1,306	911	1,568
Cases notified by Medical Practitioners.	174	199	234	126	214	148	23	77	96
Inoculations ..	937	1,040	11,032	14,470	62,891	84,927	27,879	2,27,296	1,92,304
Attack-rate ..	0.6	0.9	0.8	0.7	1.0	0.7	0.9	0.7	1.1

ENTERIC FEVER AND CONTROL MEASURES BY D. D. T.

D. D. T. Organisation.—Among the various measures adopted for the control of incidence of Typhoid fever in Bombay City, a proposal for the elimination of flies (carriers of infection of the disease), both in their larval and adult stages by means of D.D.T. received sanction of the Standing Committee and the Corporation under their Resolutions Nos. 668 of 23-7-1947 and C.R. No. 529 of 4-8-1947, respectively and this branch under the direct control of the Executive Health Officer came into being in September 1947. The staff consisted of the following :—

Insecticide Officer	1
Junior Overseers	2
Labourers	20
Clerk	1
Peons	2

It was resolved that a beginning should be made with the above staff in two of the ten Districts, *viz.*, Districts No. 6 and 10. However, in reality the services of this staff were utilised in other parts also of the City as and when required.

Inspections.—The Insecticide Officer made inspections of the extensive areas in the two Districts, traced several breeding grounds and other sources of fly-nuisance and began immediately his programme of work. Four Squads consisting of 5 labourers each and two such Squads in charge of a Squad Leader were organised and given specific areas for the work. D.D.T. 50 per cent. Malarial spray, a special product of Messrs. Geigy Insecticide, Ltd., was tried and being suitable was recommended for use. Daily inspections and supervision of the D.D.T. spraying work in accordance with a previously laid plan, were regularly conducted by the Insectticide Officer. It may be claimed now, that the Squads who were appointed since, received complete training for the type of work, to deal with the various fly problems in the affected areas, to trace fly-breeding grounds, and to take prompt and adequate measures for the Fly-Control.

Typhoid Incidence.—Sporadic cases of 'Typhoid' were prevalent in the District No. 6 in the months of August and September 1947. Very soon the disease spread in a virulant form in the Dhobi Talao and Fanaswadi Sections of the District No. 4, a neighbouring District of No. 6, which were not included in this Department's Campaign against fly-control as per original scheme.

Fly-Control.—Fly nuisance in the Dhobi Talao, Fanaswadi and Khetwadi Sections of the District Nos. 4 and 6 reached a crux, during the month of October, the conditions of temperature and humidity having remained very favourable for their growth and propagation to which could be ascribed the high incidence of Typhoid infection, and the spread of the disease in those localities.

These conditions were taken to be an opportune moment to try the effects of D. D. T. in the infected areas to determine the relation of D. D. T. spraying on the lessening of flies and consequently, the incidence of the disease by this control effect. Accordingly, D. D T. spraying operations were carried out on a large scale on flies, both in their Larval and adult stages in the breeding places, such as dung heaps, stables, refuse-sheds and dumps, etc., and fly-resting places, sch as eating houses, lanes in filthy condition, markets, stalls, etc., respectively. The results obtained were appreciable and successful, as fly-nuisance was reduced to a very great extent in the treated areas. As a corollary to this, fresh cases of typhoid attacks also became less after 6 weeks of successive spraying with D. D. T.

D. D. T. and equipment.—

(*i*) D. D. T. aqueous solutions 1 per cent strength was in use.

(*ii*) D. D. T. spraying work was carried out daily in areas specified by the Insecticide Officer in portions of Dstricts Nos. 4 and 6 and in District No. 10.

(*iii*) Equipments in use were stirrup pumps with specially fitted lance.

Control Measures.

Anti Larval.—All fly breeding grounds in stables, refuse dumps, etc., were regularly sprayed with D.D.T.

Anti Adult.—All refuse sheds where offensive refuse remained collected, all collections of offensive refuse deposited in places other than at the Municipal Refuse Seds, all surroundings of eating houses, refreshment stalls, sweet meat shops, all markets and privately owned stalls on foot-paths, all lanes and entrances to gully between houses, any other locality or places including house-compounds and vacant lands found infected with flies during the course of inspections by the Insecticide Officer were repeatedly treated with D. D. T. on specified days.

These services if extended to the entire City will prove to be of great importance.

Another preventive measure against the spread of Typhoid in the City accepted by the Corporation is the appointment of Food Inspectors. As an epxerimental measure, one Food Inspector with a staff of 4 constables has been sanctioned by the Corporation, for the destruction of rotten and unwholesome foodstuffs exposed to flies and this Food Inspector began his work from 1st October 1947. As only one Food Inspector has been appointed he has been asked to work in A and B Wards only. During the 3 months of the year under report the foodstuffs as detailed below were destroyed :—

(*a*) Sweetmeats		363 lbs.
(*b*) Other prepared food		928 lbs.
( ) Rotten and exposed fruits		281 doz.
(*d*) Unwholesome tinned food	..	246 tins.

55 samples of tinned food were taken and found unfit for human consumption.

To attain the desired results, it is necessary to extend the activities to other Wards also by appointing more Food Inspectors.

Diphtheria.—The following table shows the number of cases of Diphtheria registered each month during the year. The number of deaths from this cause is shown in Table No. 10 by Sections and in Table No. 12 (Appendix) by months :—

Disease	Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Diphtheria ..	33	38	23	25	31	17	29	28	32	30	42	47	375

Leprosy.—There is no municipal institution for the isolation and treatment of cases suffering from the disease. The Acworth Leper Home, however, has been doing invaluable work for about 55 years in this important branch of the field of control of communicable diseases. In addition to providinga Home for the isolation of the patients, either voluntarily admitted or committed by the police under the Bombay Lepers Act, the institution conducts an out-patient clinic.

There existed a deficiency in the link between the institutions where the patients were treated and the homes of the patients where they came into contact with a large number of other persons, either in their own families or among the neighbours. The deficiency was made up by the appointment of 2 Health Visitors—one by the Home and the other by the Municipality—from 1st January 1943. For the detection and treatment of early cases of leprosy, the Medical Assistant in charge of the municipal dispensaries have been trained and for correct diagnosis of suspicious cases, arrangements have been made with the Superintendent, Acworth Leper Home, for visiting the dispensaries whenever required. Cases detected by the Medical Inspectors of Schools are directed by them for treatment to the Municipal dispensaries or to the Acworth Leper Home. The number of such cases detected by them during the year was 3. The number of such cases treated at the municipal dispensaries and at the Home at Matunga were 18 and 1,034 respectively.

The following details will give some idea of the importance of the field work done by the 2 Health Visitors:

(1) Number of patients who had ceased attending and who were persuaded to resume treatment	..	35
(2) Number of contacts examined in homes	..	1,581
(3) Number of contacts brought to the clinic for examination	..	46
(4) Number of lepers discovered by examination of contacts		29
(5) Number of visits to the homes of patients—		
(First)	..	333
(Subsequent)	..	2,531
(6) Number of talks on leprosy given	..	1,608
(7) Number of homes where isolation was secured	..	3

The difficulties encountered by the Health Visitors in the field were of a varied nature. The impression that they would be compulsorily made to reside in the Leper Home, frightened many a sufferer, many others feared interruption in their occupation after they were found to be suffering from the disease by the Health Visitors while some put the Health Visitors on the wrong track by giving wrong addresses and lastly, there were some who left Bombay without taking complete treatment.

Although in certain types of leprosy the patient may live with his family, his isolation in other infective forms is essential. This isolation in a majority of cases is very difficult, as most of the patients who belong to the poorer classes, live in one or two room tenements along with 2 to 4 or even more members of their families. In this connection a proper leprosy colony or settlement is badly required for the Province where patients from the City can also be diverted.

Most of the patients belong to the poorer classes. Their poor economic condition, the present difficult food situation and the high price of food-stuffs militate against improvement of their general resistence absolutely necessary for the cure of the disease. In many cases patients who had greatly improved considered further treatment unnecessary and others in whom there was no change thought further treatment harmful and useless. It is very satisfactory to note that 35 out of 100 patients who had left treatment were persuaded by the Health Visitors to resume it.

The importance of home visits in connection with leprosy control has been stressed in no uncertain terms by the Central Advisory Board of Health. In a very few leprosy clinics in India is any organised propaganda carried on for the patients and their relatives and in no clinics in India there exists any systme of home visits. Bombay has, therefore, broken new ground.

Cerebro Spinal Meningitis.—Cases of Cerebro-SpinalMeningitis reported during the year numbered 54 including 12 imported, as against 123 in 1946 and the total number of deaths from the same was 26 during the year as against 60 in 1946.

In order to check the spread of the disease, measures such as isolation of the patients, disinfection of the infected places and prophylactic inoculation of the contacts with anti-meningococcal vaccine supplied by the Haffkine Institute were taken. During the year 51 cases were treated in the Arthur Road Hospital. Out of them 20 proved fatal and 31 were discharged as cured.

TUBERCULOSIS.

Number of deaths and death rate.—The number of deaths from Tuberculosis during the year was 2,125. The death rate from Tuberculosis was 1.4 per 1,000 of the population. The annual death-rates in the previous years were as follows. (For comparison, the decennial and quinquennial average rates have also been stated).

Period.		Annual Death-rate from Tuberculosis.		
		Pulmonary.	Other Forms.	All Forms.
1937-46	..	1.1	0.3	1.4
1942-46	..	1.0	0.3	1.3
1945	..	1.0	0.3	1.3
1946	..	1.0	0.3	1.3
1947	..	1.1	0.3	1.4

Classification according to Sex and Type of Disease.

Year.	Pulmonary T. B.	T. B. other parts.	Total Number of Deaths.	Males.	Females.
1946	1,451	463	1,914	1,190	724
1947	1,611	514	2,125	1,332	793

Morbidity.—The Morbidity in tuberculosis is usually calculated at ten times the mortality. Calculating on this basis, there were probably 21,250 persons suffering from tuberculosis during the year under report The tragic mortality and morbidity figures emphasize the necessity of an intensive antituberculosis campaign in all its aspects and an extension of the facilities now available.

In response to the various resolutions tabled in the Corporation from time to time on tuberculosis and means to combat the disease, a complete scheme was submitted to the Corporation in the year 1940.

The present anti-tuberculosis activities are inadequate and none of the present institutions dealing with tuberculosis patients can be called fully equipped and upto date in the real sense of the term. One of the clinics only has got a X-Ray plant, but even here there is no arrangement for giving A. P. Refills. For a City like Bombay, there should be five fully equipped clinics, in different wards and at least 2,000 beds for the treatment of patients. The number of Health Visitors will reqiure to be increased as also the accommodation for the isolation of Sputum positive cases. In spite of this, good work was done through the institution during the last year.

MUNICIPAL ANTI-TUBERCULOSIS MEASURES.

The Municipal anti-tuberculosis campaign is under the control of the Public Health Department. There are 3 T. B. Clinics for out-door patients, a sanatorium for early cases and a Hospital for advanced cases.

T. B. CLINICS.

Staff.—The staff at each clinic consists of a qualified Tuberculosis Officer, a fully trained nurse, a com pounder, a peon and a full time sweeper. The X-Ray department at the Princess Street Clinic has in addition 2 Honorary Radiologists a full time developer and an X-Ray attendant.

Attendance.—General Medical Practitioners, Medical Officers in charge of the Municipal dispensaries Medical Officers for schools and Medical Officers in charge of Railways, Mills, Port Trust and Factories refer their T. B. and suspicious T. B. cases to the clinics. A good number of patients approach directly of their own accord for advice and treatment.

PROPAGANDA.

Leaflets.—There are printed leaflets in English, Gujarati, Marathi and Urdu emphasizing the dangers of tuberculosis infection and advocating various measures for its prevention. These leaflets are distributed amongst the patients and their relatives.

Lectures and Exhibition.—During Health Exhibitions the Bombay Sanitary Association arranges a Tuberculosis stall in co-operation with the Municipal Tuberculosis Department. Opportunity is taken of such exhibitions to distribute propaganda leaflets and to impress upon the public the value of preventive measures against tuberculosis.

Museum.—At the Tuberculosis clinic at Princess Street, T. B. Museum is fitted up for the benefit of the public. It contains a number of wall posters illustrating the incidence and dangers of tuberculosis and emphasizing the methods of prevention.

Domiciliary Visits.—In addition to her duties at the clinic, each Health Visitor goes to the homes of patients attending the clinics and also of the notified cases. During her visits she distributes printed propaganda leaflets and advises patients and their relations about ventilation, diet, clothing and general sanitation. In addition to the first visit the Health Visitors re-visit the same houses from time to time throughout the year to keep up the continuity of the campaign. A diary is maintained by each nurse showing the number of houses visited, and re-visited, the progress of the patients and the advice given to the patients and the family.

Investigation of patients.—The Diagnosis at the clinic is made on clinical, bacteriological and radiographic findings. There is a well-equipped X-Ray installation at the clinic at Princess Street. Patients from the T. B. Clinics, the Turner Sanatorium and the Maratha Hospital are referred to this clinic for radiography and screening. After a careful diagnosis at the clinic, patients are directed to suitable institutions for treatment. Early cases are admitted to the Turner Sanatorium according to the accommodation available and advanced cases to the Maratha Hospital. Patients who are not able to take treatment as in-patients are kept under observation and chronic cases discharged from Hospital and Sanatorium receive symptomatic treatment at the clinics. The sputum examination of specimens referred by Medical Practitioners is undertaken free of charge at the Municipal Laboratory.

Investigation of Contacts.—The investigation of contact is one of the most important functions of the clinic. Usually when the patient visits the clinic, he is accompanied by a few of his relations. Advantage is taken of their presence and careful investigation is made to find out the positive contacts. The remaining members who are in close association with the patient, are advised by the nurse to appear at the clinic for investigation. Suspicious contacts from sputum-positive cases are screened at the X-Ray Department at the Princess Street.

Summary of work done at the clinics during the year 1947.

Total number of new admissions suffering from Tuberculosis was	..	10,508	
(*a*) Pulmonary T. B.	..	10,424	99.2 per cent.
(*b*) Non-Pulmonary T. B.		84	0.8 per cent.

Analysis according to Caste and Sex :—

Castes.		Males.	Females.	Total.
Hindus	..	6,029	2,020	8,049
Mahomedans	..	806	648	1,454
Parsees	..	48	24	72
Christians	..	646	252	898
Jews	..	22	13	35
Total	..	7,551	2,957	10,508

Distribution according to age :—

Upto the age of	10	15	20	25	30	35	40	45	50 and upwards	Total.
T. B. Cases ..	333	794	2,121	2,415	2,128	967	761	439	550	10,508

Total number of sputa examined	..	1,858
Total number of contacts investigated	..	2,191
Total number of Domiciliary Visits	..	3,741
Total number of attendances	..	48,940

X—Ray Department, Princess Street.

Total number of Skiagrams taken	243
Total number of Screenings done	32,435

TURNER SANATORIUM.

Return of the work done at the Turner Sanatorium during the year 1947.

Result of the treatment:—

Improved	300
Not improved	52
Died	
In status quo	4

Improvement in 85.7 per cent. of cases.
Artificial Pneumothorax was induced in 109 cases.
Total number of refills was 1,008.
Phrenic evulsion was performed on 33 cases.

NUMBER OF SPECIMENS EXAMINED IN THE LABORATORY AT THE TURNER SANATORIUM, DURING THE YEAR 1947.

Serial No.	Particulars.	Total No. of Specimens.	Grand Total.
1	Sputum	783	858
2	Urine	25	
3	Blood	24	
4	Stools	26	

Analysis of 356 discharged cases from Turner Sanatorium during the year 1947.
CLASSIFICATION ACCORDING TO CASTE AND SEX.

Hindus.		Mahomedans.		Christians.		Other Castes.		Grand Total.
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
133	134	22	44	7	9	3	4	356

DISTRIBUTION ACCORDING TO AGE.

Upto the age of—	10	15	20	25	30	35	40	45	50 and upwards.	Grand Total.
No. of patients.	6	37	95	97	71	24	13	6	7	356

The heaviest incidence of the disease was between 15 and 30 years of age.

Effect of Treatment—

(1) Sputum .. 194 wre discharged as sputum negative.
(2) Weight .. 303 gained weight.
(3) Temperature .. 241 were discharged as free from fever.

Poor Box Collections.

	Rs.	a.	p.
Balance on 31-12-1946	694	9	6
(1) Total collection during the year 1947	858	14	6
(2) Spent during the year	360	9	6
(3) Spent on—			
(1) Medicines	5	2	6
(2) News-papers daily and weekly	168	4	0
(3) Special Injections	87	3	0
(4) Distribution of sweets to the patients on Independence Day on 15-8-1947.	100	0	0

HOSPITALS FOR ADVANCED CASES.

Advanced cases of Tuberculosis were admitted to the Maratha Hospital. A separate report on the working of this institution is given by the Medical Superintendent in charge of the Hospital and can be seen at page 48 of this Report. This hospital has now been removed from the place and merged into the Tuberculosis Group of Hospitals at Sewree. The Turner Sanatorium and the Maratha Hospital together were catering the needs of 150 in-patients. The new Group of Hospitals when all the structures, etc., are complete will admit 319 in-patients. This is a gain, thus increasing the accommodation for the treatment of Tuberculosis patients in the City.

The total annual expenditure incurred in connection with the Tuberculosis Institutions during the year was Rs. 2,74,829-12-0 approximately. From the year 1948 this expenditure will be increased to about Rs. 5,00,000 a year.

MALARIA.

Malaria was registered as the cause of 92 deaths. 731 Deaths were registered as due to Ague and Remittent Fevers. A considerable proportion of the number under the last two heads probably represents cases of wrong diagnosis or diagnosis based on insufficient or incorrect data.

Average number of deaths.—The number of deaths from Malaria and from Ague and Remittent Fevers in 1947 was 823 and the annual averages in the ten years (1937-1946) as shown in table No. 11 were 114 and 863 respectively.

Out of the total number of deaths due to Malaria—
45 were certified by Medical Practitioners.
43 were certified by Hospitals.
4 were verified by the Commissioner of Police.

Inspection of houses for detection of breeding places and destruction of larvae wherever found were carried on, on a systematic plan. The wards of the City have been sub-divided into areas and each overseer is given an area that could be covered within a week. Breeding places detected were immediately dealt with. Minor structural and other defects likely to result in the breeding of mosquitoes were remedied by the staff and action was taken against the owners only when the works required were extensive and costly or the defects recurred frequently.

STATEMENT SHOWING THE QUANTITIES AND COST OF DISINFECTANTS, ETC., USED DURING THE YEAR 1947.

			Rs.	a.	p.
(1) Oil Furnace	12,080 Gallons		3,673	12	0
(2) Oil Kerosene ..	11,212 ,, ...		7,758	3	0
(3) Lysotol	105 ,, ...		680	5	0
(4) D. D. T. Powder	144 Lbs.		721	14	0
(5) D. D. T. Emulsion	11 Gallons		329	0	0
(6) Castor Oil	646 Lbs.		295	13	0
	Total Rs. ..		13,458	15	0

STATEMENT SHOWING MONTH BY MONTH THE TOTAL NUMBER OF WELLS, CISTERNS WHICH WERE FOUND BREEDING ANOPHELES MOSQUITOES DURING THE YEAR 1947.

	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Open Wells ..	5	3	1	...	3	5	4	10	5	21	13	12	82
Cisterns ..	..	..	..	..	..	..	1	..	..	..	..	..	1
Fountains ..	5	3	1	2	2	2	2	1	6	7	3	3	37
Tubs. ..	...	..	..	1	1	2	1	..	..	3	..	..	8
Gully traps ..	..	..	..	..	...	..	1	..	..	..	..	..	1
Tins ..	...	..	...	..	..	...	1	...	..	..	..	..	1
Pools, Low Lands cellars.	11	6	1	3	2	6	10	14	7	9	8	7	84
Total ..	21	12	3	6	8	15	20	25	18	40	24	22	214

STATEMENT SHOWING BY WARDS THE TOTAL NUMBER OF WELLS, CISTERNS, ETC., WHICH WERE FOUND BREEDING ANOPHELES MOSQUITOES DURING THE YEAR 1947.

Breeding noticed in	Wards.							Total.
	A	B	C	D	E	F	G	
Open Wells	..	..	..	8	1	1	72	82
Cisterns	..	..	..	..	1	..	..	1
Fountains, masonry tanks masonry kundies, ghanies, mill tanks. ..	1	2	..	2	7	9	16	37
Tubs. ..	..	2	..	..	2	2	2	8
Gully traps and storm water entraces.	..	1	..	..	..	..	..	1
Tins	..	..	..	..	1	..	..	1
Pools, low-lands, cellars, etc. ..	..	4	..	..	15	40	25	84
Total ..	1	9	..	10	27	52	115	214

STATEMENT SHOWING BY WARDS THE TOTAL NUMBER OF WELLS, CISTERNS, ETC., WHERE ANOPHELES STEPHENSI WERE FOUND BREEDING DURING THE YEAR 1947.

Containers.	A	B	C	D	E	F	G	Total.
Foundation Pits	...	...	...	..	...	1	...	1
Underground Masonry Tanks	...	...	...	...	1	...	...	1
Cisterns	...	...	...	...	1	...	...	1
Collections of Water	...	...	...	...	1	...	...	1
Masonry Tanks	...	...	...	...	1	...	...	1
Motor Launch	...	...	...	...	1	...	...	1
Open Channel Drains	...	...	...	...	1	...	...	1
Total ...	...	...	...	...	6	1	...	7

Spleen rate.—Out of 1,177 children from the poorer classes examined for enlarged spleen in dwelling houses, 5 were found to have enlarged spleen. The spleen rate for the wards mentioned was 0.4. Details by Sections are given below.

Ward	Sections.	No. of children examined.	No. of children with enlarged spleen.	Percentage.
A	Esplanade	123	2	1.6
B	Dongri	212	2	.94
C	Dhobi Talao	100	1	1.0
D	Walkeshwar & Mahalaxmi ..	227	..	..
E	Byculla	140	..	..
F	Sewri	200	..	..
G	Mahim	175	..	..
		1,177	5	0.4

The following table shows the number of children with enlarged spleen and their percentage, found by the School Medical Inspection staff during the medical examination of the children in Municipal schools.

Ward.	Section.	No. of pupils examined.	No. of pupils found with enlarged spleen.	Percentage.
A	Colaba	500	5	1.0
	Fort	776	6	.8
	Esplanade	354	..	..
B	Mandvi	158		1.9
	Chukla	56	..	..
C	Market	1,200	4	.3
	Dhobi Talao	975	21	2.1
	Fanaswadi	1,340	9	.7
	Bhuleshwar	1,552	7	.4
	Kharatalao	149	..	..
	Kumbharwada	102	..	..
D	Khetwadi	563	2	.3
	Girgaum	2,343	5	.2
	Chaupaty	1,282	5	.3
	Mahalaxmi	868	8	.9
E	Mazgaon	842	9	1.7
	Tarwadi	194	..	..
	Nagpada	305	1	.3
	Kamathipura	701	4	.5
	Byculla	979	8	.8
F	Parel	1,254	6	.5
	Sewri	667	3	.4
	Sion	203	2	.9
G	Worli	3,908	11	3
	Mahim	3,232	9	.2
	Total ..	24,503	128	.52

Blood Slides.—Out of 765 slides taken by the Medical Officers in charge of Municipal dispensaries and examined in the Municipal laboratory during the year 1947, 159 were found positive for Malaria.

Municipal Dispensaries.—The number of cases of Malaria treated month by month at the Municipal dispensaries during 1947, is shown in the following table. In the preceding year the number of patients treated was 865.

Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Total.
39	35	57	41	50	31	63	56	55	60	33	73	593

Total cases of malaria treated during the year at the Municipal Dispensaries (first visits) were 593 only which formed only 0.3 per cent. of the total new cases treated at the Municipal dispensaries for different ailments. For the last few years record of the cases treated for malaria not only in Municipal dispensaries but in the larger general hospitals in the city is maintained by this department. The attendance for malaria forms only 0.5 per cent. of the total attendance. The percentage is negligible. Further no particulars are available to show if any of the so called first visits are relapses of the infection acquired locally or elsewhere, though from the information collected there is reason to believe that a larger number of them may be relapses of the infection acquired outside the city. The malaria situation, so far as the city is concerned, can be said to be under very satisfactory control on account of the continuous efforts made by the department.

Statement showing the total number of wells in the City and their condition on 1-1-1948.

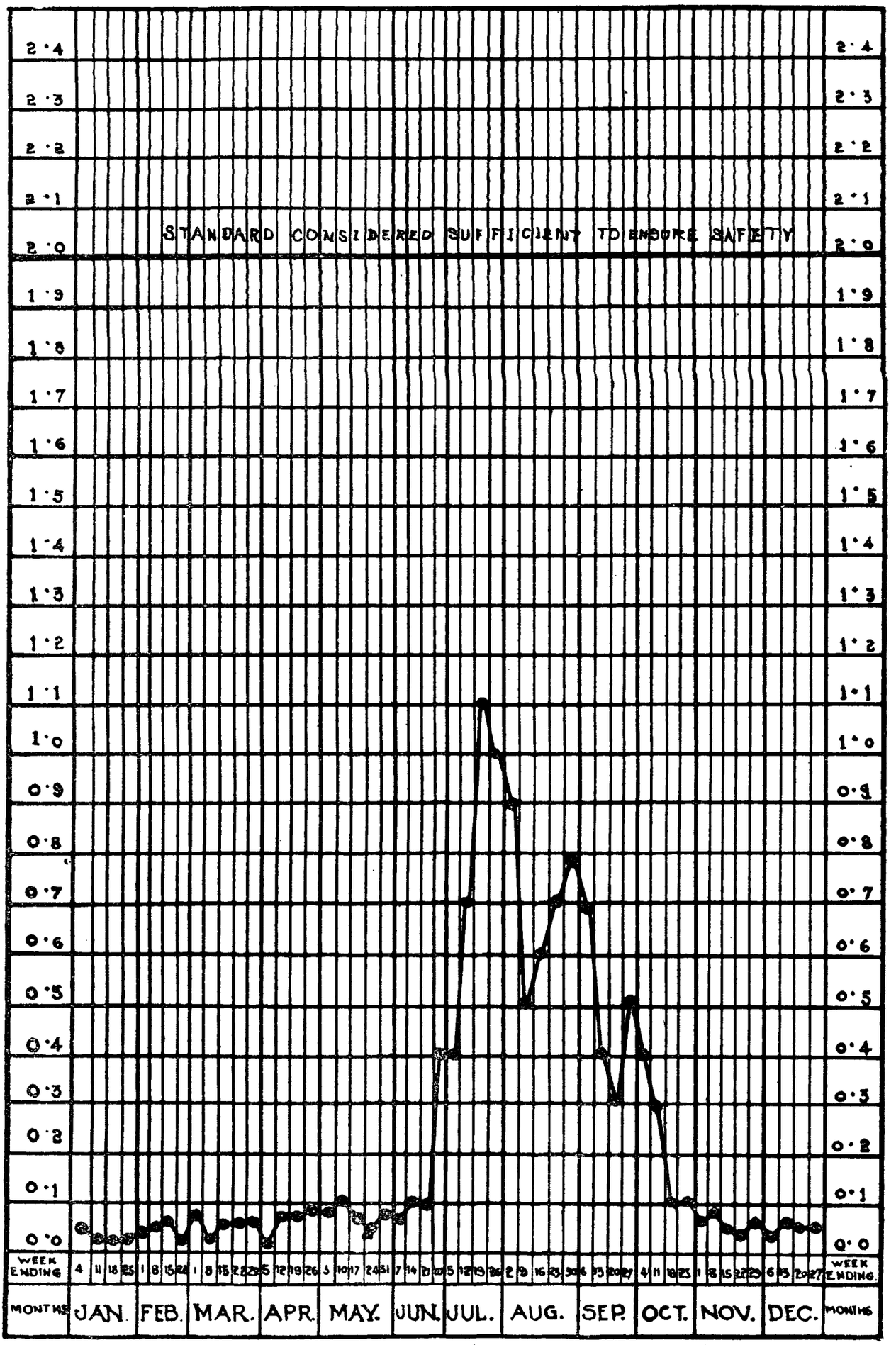
Ward.	Section.	Total No. of wells in the City.	No. of wells open or partially open.			No. of wells H. C. C. with and without pump.		
			Total No.	Open	T. D.	Total No.	With pump.	Without pump.
A	Upper Colaba	4	2	2	...	2	...	2
	Middle and Lower Colaba	30	2	1	1	28	3	25
	Fort, Southern	16	...	...	...	16	1	15
	Fort, Northern	264	21	19	2	243	14	229
	Esplanade	48	4	4	...	44	7	37
	Total ...	362	29	26	3	333	25	308
B	Mandvi	47	5	3	2	42	8	34
	Chakla	25	6	4	2	19	4	15
	Umarkhadi	17	8	2	6	9	...	9
	Dongri	3	...	...	...	3	1	2
	Total ...	92	19	9	10	73	13	60
C	Market	157	32	7	25	125	55	70
	Dhobitalao	257	58	15	43	199	48	151
	Fanaswadi	145	24	12	12	121	40	81
	Bhuleshwar	95	31	14	17	64	26	38
	Kharatalao	...	...	...	...	...	...	...
	Kumbharwada	14	2	2	...	12	4	8
	Total ...	668	147	50	97	521	173	348
D	Khetwadi	112	17	8	9	95	14	81
	Girgaon	118	19	8	11	99	15	84
	Chowpaty	45	10	1	9	35	11	24
	Walkeshwar	89	27	15	12	62	22	40
	Mahalaxmi	76	24	11	13	52	21	31
	Total ...	440	97	43	54	343	83	260
E	Mazagaon	52	3	2	1	49	13	36
	Tarwadi	56	14	4	10	42	20	22
	2nd Nagpada	...	...	...	...	...	...	...
	Kamathipura	3	1	...	1	2	...	2
	Tardeo	20	4	3	1	16	5	11
	Byculla	23	1	1	...	22	6	16
	1st Nagpada	2	...	...	...	2	...	2
	Total ...	156	23	10	13	133	44	89
F	Parel	58	21	13	8	37	17	20
	Sewri	20	7	7	...	13	6	7
	Sion	74	41	32	9	33	10	23
	Total ...	152	69	52	17	83	33	50
G	Mahim	192	97	94	3	95	46	49
	Worli	114	71	66	5	43	18	25
	Total ...	306	168	160	8	138	64	74
F Mills	Parel	9	5	...	5	4	...	4
	Sewri...	5	3	2	1	2	...	2
	Sion	3	3	1	2	...	...	...
	Total ...	17	11	3	8	6	...	6
G Mills	Mahim	8	3	...	3	5	2	3
	Worli	35	12	2	10	23	2	21
	Total ...	43	15	2	13	28	4	24
	Grand Total ...	2,236	578	355	223	1,658	439	1,219

Wells.—The following table shows by Wards the number of wells filled in, etc., during the year 1947.

Ward.	Total number of wells.	Dealt with.		
		Filled in	Covered.	
			Completely.	With trap-door.
A ..	362	..	..	..
B ..	92	..	..	..
C ..	670	..	..	..
D ..	442	3	..	..
E ..	156	..	..	..
F ..	170	1	..	..
G ..	349	1	..	..
Totals ..	2,241	5	..	..

DIAGRAM G

STEGOMYIA INDEX IN BOMBAY CITY FROM JANUARY TO DECEMBER 1947



5 H. C. C. wells were filled in.

The total number of wells in the City on 1-1-1947 was 2,241. As 5 wells were filled in during the year under report, there were, 2,236 wells at the end of the year 1947. Out of these wells, 578 were open or partially open wells. Of these 578 wells, 512 are retained wells, 38 jack wells and the remaining 28 wells are under action.

Almost all the wells which have been allowed to be retained have been stocked with Gambusia fish. The stock is replenished every six months or at more frequent intervals, if required.

Cisterns.—The total number of cisterns in the City is 62,080:

Mill tanks:—There are 85 mills with 89 mill tanks in the City. The mill tanks are regularly examined and treated with larvicidals when necessary. Only one mill participates in the scheme of oiling the mill tanks as desired by the Malaria Advisory Committee.

Breeding in Mill tanks.—No Mill tanks were found breeding during the year 1947.

Over-head cisterns on the mills and other premises:—There are 182 overhead cisterns on mill premises. They are all mosquito-proof. There are at present 99 overhead tanks on premises other than mills. They are all mosquito-proof.

Institutional Treatment.

The following table shows the number of malaria attendances at different institutions in the City during the year 1947. The number of new cases admitted is not mentioned separately.

No.	Name of the Institution.	No. of Attendance.
1	St. George's Hospital	71
2	Cama and Albless Hospital	929
3	Sir J. J. Group of Hospitals	1,816
4	Sir D. M. Petit and Motlibai Hospital	31
5	Northcote Police Hospital and Subsidiary Police Hospitals at Naigaum and Worli Out-Patients' Department	1,640
6	G. I. P. Railway Dispensary	1,715
7	Adam Wylie Hospital	33
8	Bomanji Dinshaw Parsee General Hospital	96
9	Bai Yamunabai Nair Hospital	48
10	Arthur Road Hospital	120
11	Maratha Plague Hospital	3
12	King Edward Memorial Hospital	2,760
13	Nowroji Wadia Maternity Hospital	64
14	B. B. & C. I. Railway Dispensary	952
15	Albless Charitable Dispensary	1,119
16	Bhatia General Hospital	7
17	Rachel Jacob Sassoon Dispensary	382
18	G. T. Hospital	202
19	Bai Jerbai Wadia Hospital for Children	47
20	British Military Hospital, Colaba	246
	Total ..	12,281

Statement showing by wards the number of storm water entrances treated and the number of occasions on which they were treated during the year 1947.

Ward.	No. of Storm Water entrances.	No. of occasions on which they were treated.
A	2,170	46,699
B	1,830	12,473
C	1,963	23,697
D	2,115	49,526
E	5,598	45,755
F	3,240	77,760
G	2,350	59,250
Total ..	19,286	3,15,160

Yellow Fever.—The campaign against Stegomyia mosquitoes, the vector of Yellow Fever was unrelented till the end of the year on account of the unusual rains. The stegomyia index was kept below the fixed standard of 2 per cent.

Mepacrine and Quinacrine tablets were also distributed among the various Municipal dispensaries along with Quinine Sulphate Powder.

VENEREAL DISEASES.

The incidence of Venereal Diseases in India is unknown. These diseases include Syphilis, Gonorrhœa and Soft Chancre. They are caused mainly by a sexual contact. These diseases are a social evil and every precaution will have to be taken to minimise their evil effects. The measures necessary for the control of these diseases can be divided into two broad groups:—

(1) Those which provide the best forms of medical care preventive and curative:
(2) Those which are designed to discourage promiscuity and to control prostitution.

Under (1) would come: (*a*) free medical treatment to all persons wanting such treatment: (*b*) facilities without payment of fees for personal prophylaxis: (*c*) Diagnostic facilities: (*d*) creation and maintenance of a follow up service: (*e*) education of the people in regard to the spread and control of these diseases.

No. (2) is a difficult problem and will have to be taken up with the advance of society when these diseases are not looked upon as a social evil so as to make people hide the facts.

Under auspices of the Bombay Sanitary Association a conference of medical men was held in March 1917, as a result of which a League for Combating Venereal Diseases was established under voluntary management, with the Executive Health Officer as its Joint Honorary Secretary. The League was a private body financed by voluntary contributions from the public and had the following aims and objects :—

(1) To provide a dispensary and clinic for the free treatment with ten beds.
(2) To provide by lectures and by home visits facilities for instructing the people about the danger from venereal diseases and to advise them on the advantage of early treatment.
(3) To enlist co-operation of large general hospitals by admitting cases for treatment.
(4) To provide facilities for medical men to obtain reports on diagnostic material.
(5) To supply Salvarsan or its substitutes to Medical practitioners, who have had training in the modern methods of treatment of venereal diseases.
(6) To provide facilities to medical men for instruction in the diagnosis and treatment of venereal diseases.

The League adopted methods that were used in the Western Countries. The League established the Anti-Venereal Clinic in 1918 in a rented house at 66, Lamington Road. The Bombay Municipality took upon itself the function and the activities of the League in 1925. The clinic was shifted in 1933 to 254 Bellasis Road in a Municipal Building at its present site, which has far bigger accommodation and scope for future development.

The idea underlying an institution of this kind is to put up a united front for a fight against the social evil by enlightenment of the public, to protect the society by prophylactic disinfection, to diagnose and treat the sufferers, to give facility to medical men of free diagnosis of their patients, of obtaining special training, to maintain the follow up of lapsed cases and to induce the recalcitrant to undergo treatment without which the disease may perpetuate in the family.

The Bombay Municipality has maintained this Clinic as a special Clinic for dealing with the problem of Venereal diseases in the City. It is run on similar lines as a Venereal Clinic in the United Kingdom. It has been fully equipped for adopting modern methods of prevention and control, free of any charge, in case of any person, who calls for the same. The Clinic is not simply a centre for treatment but is a medium for a sustained combat against venereal diseases. The clinic provides facilities for treatment of both male and female patients simultaneously at different places on the same premises by male and female doctors. The Medical Officer In Charge and the Deputy Medical Officer are assisted in their work by one Medical Assistant each, the one on the female side being a lady. The nurse attached to the Clinic pays domiciliary visits for guiding the necessitous persons to call for treatment. The principal methods employed at the clinic are :—

(1) **Personal Prophylaxis.**—This is done day and night to prevent the infection of those who run the risk of acquiring the disease.
(2) **Diagnosis.**—Diagnosis of infection is confirmed by laboratory examination.
(3) **Treatment**—of men, women and children done simultaneously, morning and evening to control infection which already exists.
(4) **Follow-up.**—Of patients, lapsed cases, tracing sources of infection to bring them under the medical care.
(5) **Propaganda.**—To prevent fresh infection and to secure the co-operation of the patients in continuing treatment till they become non-infective.
(6) **Medical Training.**—Post Graduate training and short refresher courses to the general medical practitioners.

Personal Prophylaxis.—

Venereal Disease is preventable if personal prophylaxis is efficiently carried out immediately after exposure to infection. The surest way of preventing a venereal disease is to abstain from illicit sexual contact. Every extra marital relation is potentially infective. Prophylactic treatment is made available day and night and is done free of charge at any of the prophylactic centres in the following Municipal dispensaries including this clinic :—

(1) Venereal Diseases Clinic, 254, Bellasis Road, Opposite Alexandra Cinema, Byculla.
(2) Municipal Dispensary, 55, Rajwadkar Street, Colaba.
(3) District No. 3 Dispensary, 259 Sandhurst Road, near Bhendi Bazaar Tram Junction, Dongri.
(4) District No. 6 Dispensary, 254, Charni Road, Opposite Central Cinema, Girgaum.
(5) District No. 8 Dispensary, 143, Foras Road Tram Junction.
(6) Municipal Dispensary, Dharavi, 755(1) Dharavi Road.
(7) Municipal Dispensary, 213C, DeLisle Road, Lower Parel.
(8) Municipal Dispensary, 45 B.D.D. Chawl, Worli.

8,131 persons attended for prophylaxis at the Centre at the Anti-Venereal Clinic and 1,056 attended at the other Municipal Centres during the year 1947.

(2) **Diagnosis.**—The clinic has a fully equipped laboratory for making a free diagnosis of infection by modern methods. The routine work of the laboratory includes a number of urine tests, examination of wet specimens, stained smears, dark-field examination, serological examinations, cultures etc. Free but confidential reports are provided to the general medical practitioners, hospitals and dispensaries in Bombay, where such facilities do not exist, of patients suspected to be suffering from these diseases and on materials sent to the laboratory from such patients. This is done to control infection and to treat the infected. It is difficult to detect the disease and old infections in the absence of laboratory examinations. Any person may have his blood test made for syphillis or a test of cure made for infection with gonorrhoea. The following investigations were made during the year 1947 :—

Wassermann Reaction :—890 were done at the Haffkine Institute, Bombay, for this Clinic.

Kahn Tests	4,937
Dark Ground Searches for Treponama Pallidum	482
Smears for Gonorrhoea	4,374
Miscellaneous (blood Films and Counts, Spinal fluid tests, etc.) ..	34

Treatment.—Venereal diseases, though dangerous, can be completely cured if adequate treatment is taken. Persons in whom these diseases are detected are given free and secret treatment. Patients are examined one by one. Particulars of new patients are recorded in a confidential register and treatment cards with indentification numbers are prepared in each case. Syphilis and gonorrhoea are separately

treated. Patients are treated individually in privacy.

Summary of Cases.—The following table shows figures for the last five years:—

Year.	Number of Patients dealt with.								Number of V.D. cases carried over from previous year	Total number of attendance
	Syphilis	Non-Syphilitic Sores	Gonorrhoea	Total V D	Other than V D	Number of patients who ceased attendance before the diagnosis was completed	Total new cases	No. of Prophylaxis		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
1943 ...	4,528	2,641	5,498	12,667	1,122	526	13,626	12,607	689	1,44,576
1944 ...	4,741	4,477	4,431	13,649	1,468	1,272	15,667	12,746	732	1,53,079
1945 ...	4,880	5,372	4,727	14,979	2,143	1,462	17,950	12,598	634	1,64,103
1946 ...	3,284	5,766	3,718	12,768	1,290	1,001	14,433	9,013	626	1,36,941
1947 ...	3,725	6,084	4,385	14,194	2,041	376	16,614	8,131	631	1,42,040

Daily Attendance.—The daily average of new patients for diagnosis or treatment and for prophylaxis and the average daily attendance for the year 1947 was as follows:—

New Patients ...	Males	48.7	Total	57.9	Total for diagnosis and Treatment	Total daily attendance 545.3
	Females	9.2				
Old Patients ...	Males	343.0	Total	465.1	523.0	
	Females	122.1				
Prophylaxis	Day	6.1	Total	22.3	Total for Prophylaxis 22.3	
	Night	16.2				

The average daily attendance during the last five years:—

1943	1944	1945	1946	1947
573.7	593.2	558.8	520.7	545.3

Distribution of Cases.—The total number of venereal cases treated during the year 1947 was 14,194 (12,617 males and 1,577 females) and the same are classified as follows:—

	Males.	Females.	Total.
Primary Syphilis ..	1,291	241	1,552
Secondary Syphilis ..	1,679	127	1,806
Late Syphilis ..	113	281	394
Congenital Syphilis ..	43	50	93
Total Cases of Syphilis; ..	3,126	699	3,725
Acute and Sub-Acute Gonorrhoea ..	2,069	194	2,263
Chronic Gonorrhoea ..	1,832	290	2,122
Total Cases of Gonorrhoea ..	3,901	484	4,385
Non-Syphilitic Sores: ..	5,690	394	6,084
Grand Total ..	12,617	1,577	14,194

Non-Venereal cases could be grouped as follows:—

Skin Lesion ..	381
Non-Specific Urethritis ..	853
Non-Venereal Gynaecological cases ..	207
Marriage Certificate ..	191
Certificate of Fitness ..	129
Others ..	300

As a result of propaganda carried on by the staff of the Public Health Department as well as the increasing popularity of the institution, a number of persons come to the clinic for consultation, advice, treatment, etc. This was borne out by the fact that 191 persons came to the clinic during the year to ascertain whether there was any objection for their marriage and 129 persons to make sure that they were not suffering from any venereal disease.

Follow-up work:—In the Follow-up of cases persons who remain untreated on account of shyness, lapse owing to abatement of symptoms and the undetected are pursuaded to call at the Clinic. Sources of infection, contacts are detected. The nurse of the Clinic paid 1,168 visits to patients' houses during the year under report. The Lady Physician paid thirty visits to Maternity Homes, Orphanages, Women's Rescue Homes, Shelters and the like.

Propaganda:—Most young men who acquire the disease by a casual contact have little knowledge as to how these diseases are caused. An idea of using prophylaxis never enters their head. A propaganda is made. The Propaganda room at the Clinic has been fitted up with exhibits, posters, pictures, models and

contains attractive literature on the subject. Patients acquire special knowledge of the subject during their waiting time by going over the material placed at their disposal. Book-lets and leaflets about these diseases and about the facilities provided for at the Clinic were distributed free of charge to the visitors. The nurse distributed these outside during her home visiting rounds.

Short talks to small group of patients were given at the Clinic about the facility afforded by the Clinic for the prevention and cure of these diseases, the importance of leading clean and healthy lives, and engaging in healthy recreations and games.

Visual instruction with explanatory talk was imparted while showing cinema films on venereal diseases at eight different places in the city and at the clinics.

Medical Training in Venereal Diseases:—Facility is given to medical men to attend the Clinic after graduation to practise the methods of diagnosis and treatment of these diseases for which no fees are charged. Short refresher Courses are kept open for them. Four general medical practitioners attended the Clinic for practice during the year 1947.

DISINFECTION.

The following table shows the number of cases of Infectious diseases, those removed to Hospitals, number of houses vacated and disinfected and the number of articles disinfected by steam:—

INFECTIOUS DISEASES.—CAUSE AND NATURE OF ACTION TAKEN IN 1947.

On account of	Cases.	Cases removed to Hospitals.	Houses vacated.	Rooms disinfected.	Articles sterilized.
Plague	11	..	...	18	24
Small-pox	62	33	2	73	55
Measles	...	19	...	80	...
Chicken-pox	...	122	19	333	512
Typhoid fever	1,664	166	21	2,108	344
Relapsing fever	...	...	...	...	...
Influenza	...	...	...	...	...
Cholera	114	21	...	177	104
Erysipelas	...	...	...	2	...
Leprosy	68	...	...	...	...
Tuberculosis of Lungs	1,914	231	79	1,380	219
Cerebro-Spinal fever	54	4	1	40	...
Dead Rats	...	...	...	...	...
Other Causes	395	138	7	1,570	317
Total	4,282	734	129	5,781	1,575

Quantities and Cost of Disinfectants and Insecticides used.—The following statement shows (*a*) the quantities used for disinfecting dwellings, rooms and other places such as house gullies, drains, privies, etc., (*b*) the total cost of the disinfectants used for each purpose, and (*c*) the total quantities in which each kind of disinfectant was used during the year ended on 31st December 1947 and their total cost:—

Name of disinfectant.	(*a*) Quantities of disinfectants used. (*i*) For disinfecting dwellings and rooms.	(*a*) (*ii*) For disinfecting other places such as house gullies, drains, privies, etc.	(*b*) Total cost of disinfectants used. (*i*) For disinfecting dwellings and rooms.	(*b*) (*ii*) For disinfecting other places such as house gullies, drains, privies, etc.	(*c*) Total quantities of disinfectants used.	Total Cost.
			Rs. a. p.	Rs. a. p.		Rs. a. p.
Pesterine (oil furnace) Gallons	11½	13,128	90 7 0	4,023 10 5	13,139½	4,114 1 5
Oil Castor Lbs.	...	646	...	295 13 0	646	295 13 0
Sal Hycol, Gallons	25	55	159 10 0	226 15 0	80	386 9 0
Sulphur, lbs.	2	50	3 0 0	5 8 0	52	8 8 0
Resotol Powder, Bags	...	3	...	60 6 0	3	60 6 0
Kerosene 125°, Gallons	84	11,392	115 8 0	7,938 3 0	11,476	8,053 11 0
D. D. T. Powder	1	144	2 13 6	721 14 0	145	724 11 6
Lysotol, Gallons	268½	105	2,301 0 6	680 5 0	473½	2,981 5 6
Tropical Chloride of Lime, Cwts.	...	172	...	1,644 12 0	172	1,644 12 0
D. D. T. Emulsion	...	11	...	329 0 0	11	329 0 0
Phenol, popular Drums	4	27	137 12 0	744 7 0	31	882 3 0
Dettol	19	...	115 13 0	...	19	115 13 0
Total	...	...	2,926 0 0	16,670 13 5	...	19,596 13 5

MEDICAL RELIEF.

Municipal Dispensaries.—All the 19 Municipal Dispensaries were open throughout the year to administer, as in the past, free medical relief to the sick poor of the City.

The number of new cases treated at the dispensaries during the year was 1,66,393 (1,09,787 males and 56,606 females) as against 1,78,936 in 1946. The total attendance numbered 6,01,148 as against 6,45,183 in 1946. The figures include 159 visits by the Dispensary Medical Officers to patients in their homes.

The diseases treated, at the dispensaries during each month of the year are shown in Table No. 5(Appendix).

In addition to the above dispensary workwomen and children are treated by two part-time Lady Doctors at 6 Municipal Dispensaries in the City between 12 noon and 2 P.M. twice a week and by the Lady Doctors-in-charge of the 5 Maternity Homes at the 5 Ante-Natal and Post-Natal clinics attached to the respective Homes between 1 and 3 P.M. These Clinics have been working daily since June 1939. The number of new cases treated at these dispensaries was 21,485 (16,682 women and 4,803 children) as against 23,023 in 1946. The

total attendance at thse dispensaries was 1,24,928. These figures incude 10,877 visits by the Lady Doctors to patients in their Homes.

Eye Dispensary and Hospital.—The Dispensary and Hospital at Kamathipura are attended by two Medical Officers by turns, *viz.*, one attends on Mondays, Wednesdays and Fridays and other on Tuesdays, Thursdays and Saturdays. The Institution is open every day from 8-30 to 9-30 A.M. except on Sundays. The Hospital has accommodation of 6 beds for males and 6 beds for females with a small Operation Theatre. The total number of new cases treated in 1947 at this Institution was 5,835 (4,481 for eye and 1,354 for ears) as against 7,745 in 1946. The total attendance was 43,189 during the year as against 52,481 in 1946. The number of in-door patients among the new cases treated and total attendance were 125 and 1,567 respectively

Attendance of new and old patients as compared with the previous 3 years was as follow:—

Year.	New patients.	Old patients.	Total.
1944	9.060	47,603	59,621
1945	9,375	62,454	71,829
1946	7,864	44,617	52,481
1947	5,960	37,229	43,189

A full-time resident nurse has been attached to this hospital.

PUBLIC HEALTH ADMINISTARATION.

Aiming chiefly at the promotion of health and prevention of diseases the City health administration like any Public Health Administration engages itself in organising and directing the activities of different agencies official and voluntary, towards that end. It deals generally with masses of the community in regard to Public Health. It also gives due attention to both the environmental and individual aspects of Public Health work.

The relative importance of different Public Health procedures can hardly be expressed with fine mathematical precision. Nevertheless, efficient administration requires a sense of proportion and special problems must receive earlier and greater attention than others which for want of funds or trained personnel cannot be carried out at the same time.

Whatever be the various activities, they are however so interlinked with one another that they cannot be separated in the administrative or the executive aspect without prejudice and detriment to the Public Health.

In Bombay, as in other countries, the Public Health activities of the Municipality are under the Executive Health Officer and they comprise: (1) Conservancy and General Sanitation including Housing: (2) Food Sanitation: (3) Registration and vital Statistics: (4) Control of Communicable Diseases: (5) Hygiene including Maternity Infant, pre-school and school Health: (6) Laboratory work: (7) Medical Relief: (8) Publicity and Health Propaganda: and (9) Welfare work among labourers.

(1) Conservancy and General Sanitation are the essential services rendered by the Public Health Department which have an important bearing on the health of the City. The two services cannot be formed into two separate units independent of each other but for the sake of arrangement of work they may be described as follows:—

Conservancy includes the work of cleansing streets, gullies, foot-paths, etc., removal of chokes from drain collection, removal and disposal of refuse, halalkhore service, gully sweeping, gully flushing, road washing dog licensing, destruction of rats and dogs, veterinary service, control of infectious diseases among animals removal of carcasses, disinfection of the environments of places where communicable diseases occur, ambulance service, etc.

General sanitation comprises inspection and supervision of all premises with a view to detecting sanitary defects and taking steps to remedy them, provision of public sanitary conveniences, maintenance of premises in a sanitary state, taking of action against defaulters, sanitary control over factories and other licensable trades housing and actionwith regard to over-crowding, finding out defects regarding houses unfit for human habitation and taking action against the same.

(2) Food sanitation comprises control over adulteration of food, supervision over food exposed for sale and food handling establishments, destruction of unwholesome food, etc.

(3) Registration and vital statistics include the arrangements for the registration of births and deaths taking place in the City, maintenance of records of vital events affecting the health of the City and regulation of places for the disposal of the dead and the provision of new places for the said purpose.

(4) Control of communicable diseases comprises measures for the prevention of diseases like Small-pox, Plague, Cholera, Typhoid fever, Tuberculosis, etc., and the provision of hospitals for the isolation and treatment of such diseases. It also includes the establishment of clinics for the treatment of diseases like Tuberculosis Venereal diseases and the like, follow-up work through the health visitors and medical officers and arrangement for vaccination and inoculation of the public. A special section is run for control and prevention of Malaria and one for the control of fly nuisance.

(5) Hygiene includes care at homes and clinics for ante-natal, natal and post-natal cases of infants and toddlers and provision of maternity care at institutions. School health and hygiene are carried out through medical inspection of school children and the correction of defects through clinics, dispensaries, etc. Two clinics for family planning are also run for the benefit of the public.

(6) Laboratory work consists of routine and special examination. It incudes examination both chemical and bacteriological of water, sewage, etc., and all kinds of articles bearing on health particularly under the Bombay Prevention of Adulteration Act and also the examination of clinical specimens such as sputa, urine, blood, etc., of the patients treated at Municipal institutions.

(7) Medical Relief consists of treatment provided at hospitals and dispensaries including those conducted for the treatment of diseases peculiar to women and for the treatment of eye ailments.

(8) Education is the basis of modern Public Health work if permanent results are to be obtained. With that end in view, a Public Health Propaganda section has been opened for mass education of the public in matters pertaining to health.

(9) Welfare work comprises recreational activities, educational activities, health work, and labour officers' work among the Municipal workers.

Conservancy Branch is in charge of a Head Supervisor who has under him 9 Supervisors, 7 Senior Overseers, 64 Junior Overseers, 14 Depot Attendants, 15 Caretekers, 5 dog catching Sub-Inspectors and other staff, 2 Supervisors and 9 overseers for the dog licensing work.

The Veterinary staff includes, 1 Senior Veterinary Inspector and 3 Junior Veterinary Inspectors who are all qualified Veterinary Surgeons. They have to inspect all public stables in the City. They are also in charge of the Municipal Bullock Hospital and the segregation sheds at Tardeo Flats. In addition to this staff there are 9 Veterinary Assistants who are responsible under the Conservancy Supervisors, for the health of bullocks in the eleven Health Department Stables.

For sanitary administration, the City has been divided into seven Wards A to G grouped into five divisions, *viz.*, A and B Wards, C and D Wards, E Ward, F Ward and G Ward, under Assistant Health Officers responsible for the sanitary work of their respective divisions. There are thus five Assistant Health Officers in charge of the five main divisions of the City.

The Island has been further sub-divided into 51 sections in charge of Inspectors styled Medical Assistants and each Inspector in the section to which he is appointed is required to undertake the work incidental to registration and sanitation.

The 51 sections have been arranged in groups to form 10 Registration and sanitary Districts, the work in each of the 10 Districts being supervised by a Medical Inspector. There are 18 Medical Inspectors who are required to be Medical men and to work under the orders of the Assistant Health Officers of the wards in which their respective Districts are situated.

For the control of milk trade, 14 Sub-Inspectors are employed under the Supervision of 3 Medical Inspectors. Sampling of milk is carried out by the Sub-Inspectors and the Medical Inspectors. All the Medical Inspectors are also responsible for taking samples of other articles of food under the Prevention of Adulteration Act.

There is one Municipal Infectious Disease hospital at Arthur Road for the treatment of patients suffering from all Infectious Diseases except Tuberculosis and Leprcsy., It is under a Medical Suprintendent with a permanent staff of 1 Resident Medical Officer, 3 Casualty Officers, 1 Assistant Medical Officer, 2 Medical Registrars, 2 House Physicians, 1 Honorary Pathologist and Bacteriologist, 1 Laboratory Technicialn 1 Matron 1 Senior Sister, 5 Junior Sisters, 11 Staff nurses, and 12 Probationer nurses. This staff is supplemented from time to time by a temporary one to cope with the increase in the number of patients.

Tuberculosis patients are treated at the Turner Sanatorium at Bhoiwada and at the Maratha Hospital at Connought Road which are under a Medical Officer with a staff of 2 Medical Assistants, 2 Matrons, 2 Sisters and 14 Nurses.

Tuberculosis patients are treated at the out-patient clinics at Princess Street, Foras Road and Lalbaug which are attended by two Medical Officers with the staff of 2 Honorary Radiologists and 4 Nurses working under him.

Venereal Diseases cases are treated at the special Clinic at the Bellasis Road which is under a Medical Officer with a Lady Physician, 2 Assistant Medical Officers and a Nurse working under him.

Leprosy cases (in patients) are not treated at any Municipal Institution, though the non-infectious types of those are dealt with at the Municipal General Dispensaries This activity is carried on by a Board of Management of the Acowrth Leper Home, Matunga with the Municipal Commissioner as the President and the Executive Halth Officer as the Honorary Secretary. Besides the grant-in-aid paid for this activity, the Municipality have recently appointed a Health Visitor to visit patients in their houses and to keep up the link between the Clinic and the Home.

The Anti-Malarial measures were carried out during the year by a staff consisting of 6 Medical Inspectors, 95 Sub-Inspectors, 7 Muccadams, 207 Labourers and 1 Mason under an Assistant Health Officer (Malaria), subject to the general direction and control of the Executive Health Officer.

The Vaccination staff includes the Superintendent, 1 Head Vaccinator and 18 Vaccinators, including 1 Female Vaccinator. The staff is required to be supplemented by temporary vaccinators to meet increased demand, from time to time.

Ante-natal care, care of birth, care during infant and pre-school life is rendered to the public through the 5 Municipal Maternity Homes which are placed under the charge of Lady Medical Officers who have under them a staffof 20 Nurses and 10 Health Visitors working under them. A small maternity unit has been started at Dharavi and is given in charge of a trained Health Visitor who works under the general guidance of one of the Lady Medical Officers in charge of Municipal Maternity Home.

Care in school life is rendered by the branch for the Medical Inspection of School Children with the inspectorial staff of 1 Medical Officer (Schools), 1 Deputy Medical Officer (Schools), 5 Assistant Medical Officers (Schools) and 7 School Health Nurses.

The children with physical defects are sent to dispensaries and institutions according to ailments and those with major defects are generally sent to the Special School clinic maintained at the K.E.M. Hospital under the careof the School Clinic Organiser and one assistant.

The analysis of samples of food, samples of the Municipal water supply and of clinical specimens is carried out in a Laboratory attached to the Health Department by the Municipal Analyst, who is assisted by 1 Deputy Municipal Analyst, 1 Assistant Analyst, 3 Assistant Chemists, 2 Assistant Bacteriologists, 2 Junior Laboratory Chemists.

General Medical Relief is administered through the 19 free dispensaries in different wards under 19 Medical Assistants, 6 dispensaries for women and children under 2 part-time Lady Doctors, 1 eye hospital and an eye dispensary at Kamathipura under two Honorary Surgeons and one senior nurse.

Health Publicity section has been opened since November 1942. It is in charge of a Propaganda Officer who has to work under the direction of the Executive Health Officer.

Welfare work among labour staff is carried on by a Welfare Organiser with 2 Assistants and 1 Woman Assistant Welfare Officer (Health Visitor) and staff of 11 teachers for sewing classes. 11 women workers, 10 men workers and 12 Assistants men workers, 1 games teacher, 1 band-master and 2 Gymnasium teachers. Except the Organiser and his Assistants, the other members of the staff are part-time workers.

PUBLIC HEALTH PROPAGANDA AND EDUCATION FOR THE YEAR 1947.

Anti-Typhoid Campaigns.—Endemic as the Typhoid is in the City, its incidence shows a tendency to increase in the monsoon. So this Propaganda Section started its operations against the disease from the 4th week of May and intensified them during the month of June 1947.

The following measures were adopted :—

Talks on the preventive measures against Typhoid were given at Educational and Social Institutions. At the fixed hour the film van equipment with radiogram and Public Address System was sent to the appointed spot where the inoculation staff either reached themselves or were picked up by the van on the day. All having assembled the proceedings commenced with a gramophone or radio musical prelude during which the medical staff set up a temporary Anti-Typhoid Inoculation centre and got ready with the sterilized syringes in their hands. At this stage a speech in the predominent language of the locality was broadcast from our Public Address System explaining to the crowd collected round the van by the music, the infectious nature of the disease, the risk of each unprotected person and the value of inoculation immunising against the disease. These talks were immediately responded to bya fairly big crowd queuing up at the inoculation centre.

During the year, 102 such campaigns were held and 39,406 persons were inoculated on the spot. The areas covered were Worli, Girgaum, Falkland Road, Wadala, Dharavi, Bhuleshwar, Naigaum, Tardeo, C.P. Tank, Grant Road, Charni Road, Nagpada, Agripada, Imamwada, Chinch Bunder Road, Musjid Bunder Road, etc.

13,00 leaflets and 1,000 posters on Typhoid were liberally distributed to 75 schools and 25 Social Institutions in the City in various languages.

Slides on Typhoid and the necessity of inoculations were distributed for exhibition to 13 Talkie houses in the City.

Visual Instruction.—Health Education films were exhibited widely and repeatedly all over the City in the open public parks, labour areas, B.I.T. Blocks, Schools, Social and Cultural institutions, orphanages, City Hospitals, Maternity Homes, etc.

A report of our Health Film Exhibitions is given below :—

Total Number of Shows.	Total Number of Attendance	Film Subjects.
300	89,110	Child Health, Infant Care, Teeth, Food and Nutrition, Milk, Water Malaria, Small-pox, Typhoid, T. B., V. D., General Sanitation, Sport and Physical Culture.

Itinerant Health Exhibits.—Artistic displays *i.e.*, sets of pictures on various Health subjects such as Food values, Communicable Diseases, Food and its function were sent round 11 different Institutions including schools in the City. In the schools they were moved from class to class and were explained by the school teachers.

14 Health Exhibitions were arranged at different places under the auspices of various Institutions in the City during the year.

The following subjects were covered by these Exhibitions :—

(1) Child Health and Guidance: (2) General Sanitation; (3) Communicable Diseases: (4) Food and Nutrition: (5) Maternity and (6) Water.

About 2,325 posters and 3,200 leaflets in various languages on subjects such as (1) Health, (2) Health Habits for Children, (3) Coughing and Sneezing, (4) Good Citizenship, (5) General Sanitation, (6) Spitting, (7) Small-pox, (8) Typhoid, (9) Tuberculosis, etc., were distributed in the City during the year.

New Material and Equipments.—The following two films were presented to the Bombay Municipality during the year :—

Title of the Film.	Name of the party by whom presented.
(1) "Carry On Children" 16 mm. Sound with English Commentary, 400' in length.	British Council, London.
(2) "Cama Hospital".	The Surgeon General, Government of Bombay through the Medical Officer in charge, Albless and Cama Hospital, Bombay.

The following Health materials were prepared in the office :—

(1) Pictorial poster on "Minerals and Food" of 20"×30" size,

(2) Sets of layouts for show card on (*a*) Infant Care, and (*b*) Physical Culture.

(3) Poster on "Right Food" of 20"×30" size.

(4) Pictorial Antenatal care series.—(*a*) Danger signals during pregnancy of 20"×30" size, (*b*) swelling of face and feet 20"×30", (*c*) Rest and Sleep 20"×30" size, (*d*) Drink plenty of water 20"×30" size and (*e*) some glass frame stands for exhibits, black board easel for posters on Health and Posters on Annual Death rate, Annual Births, Maternal Mortality, Infant Mortality in the Bombay City and Charts on Typhoid and Flies.

CONSERVANCY

Large variations took place in the work expected of the Conservancy branch. On the one hand most of the Military camps were vacated and closed, situation disturbed by communal disturbances was easing, while on the other hand it had to face the situation created by the great influx of refugees from various parts of India and Pakistan. Materials were not easily available and the branch had to face the situation created by inadequate number of lorries and carts required to tackle the increased out-put of refuse. Refugee camps were opened in the northern part of the City, *viz.*, Dharavi Hospital, Rowli Hills, Sewri, Wadala, etc. Evrey effort was

however made to keep the City clean as much as possible and arrangements were also made to look after the sanitation of these camps so that the health of the City in general may not be affected.

As usual the branch attended to :—

(1) Cleansing of roads, foot-paths and house gullies.
(2) Road scraping.
(3) Collection, removal and disposal of refuse.
(4) Road washing and gully flushing.
(5) Cleansing of house drains.
(6) Collection, removal and disposal of night soil.
(7) Rat Destruction.
(8) Destruction of stray dogs.
(9) Dog Licensing.
(10) Catching and impounding stray cattle.
(11) Removal of dead animals.
(12) Infectious Diseases Ambulance service.
and service for removal of dead bodies.
(13) Prevention of various types of nuisances.
(14) Veterinary service.
(15) Rendering conservancy service and Special Halalkhore service.
(16) Salvage operations.
(17) Arrangement for auction sales and management of various Health Department rights.
(18) Co-operative Credit Societies for labour staff.

(1) CLEANSING OF ROADS, FOOT PATHS AND HOUSE GULLIES

No change was made in the arrangement of cleansing work. As a rule, the work of sweeping and cleaning roads, foot-paths and house gullies was done twice daily. But places of recreation, main thoroughfares were attended to more than twice daily. In addition to the regular service rendered to keep the City clean and tidy arrangements were made to clean some of the roads and foot-paths during non-working hours by detailing special staff for the purpose. Places of recreation, such as Apollo Bunder, Cuffe Parade, Marine Drive, Warden Road, Scandal Point, Love Grove Road and Worli Promenade were some of the places where the special service was rendered.

(2) ROAD SCRAPING

In addition to the sweeping work the roads were also brushed and scraped for removing dust, dung and fruit peetings from their surfaces.

Length of roads, foot-paths and house gullies attended to in 1947.

	Roads	Foot-paths	House Gullies
Miles	269.471	248.4919	104
square yards	5059143	2283206	329700

(3) COLLECTION, REMOVAL AND DISPOSAL OF REFUSE

Refuse collected by sweeping roads, foot-paths and house gullies is removed in handcarts and travelling carts. From hand-carts it is transferred to travelling carts or to the refuse sheds provided at different places in the City. Travelling carts remove refuse to the temporary dumps or to the places of disposal. Refuse from the sheds is removed in lorries to the places of disposal at least twice daily. Refuse received at Mahalaxmi Refuse Siding is daily sent to Deonar in special refuse trains which make 2 trips daily. Each train has 30 to 35 wagons and each wagon has got the capacity to contain nearly 18 tons of refuse.

Domestic refuse is collected in galvanised sanitary bins having a capacity of 2 cubic feet with proper covers to avoid fly nuisance and emmission of bad smell. The sanitary bins were provided by owners of the premises either as a result of action taken against them under Seciton 368 of the Bombay Municipal Act or of their own accord. Refuse from the bins is brought downstairs or in the compounds by sweepers employed by owners, and subsequently removed by the Municipality either by means of lorries or by carts. This system of removing refuse is known as "House to House Collection and Removal of Refuse." It is in vogue in A, D F and G Wards. No sooner are more vehicles made available than the scheme will be extended to other parts of the City. The scheme though in its infancy is working satisfactorily and showing signs of progress in F and G Wards. With the extension of the scheme, more refuse sheds, dust bin carts, etc., which cause nuisance to the inhabitants of the respective locality will be removed. During the year under report 13 refuse sheds and 9 dust bins carts were done away with.

In those parts of the City where this system is not introduced, the owners of the premises are called upon under Section 368 to see that the refuse collected in bins is either removed to the refuse sheds or to the travelling carts visiting the localities daily. As a result of the actions taken under Section368, 1,704 houses were provided with 9,678 sanitary bins. In all 2,125 actions were taken out of which 421 actions have been pending by the end of the year. Actions for the provision of sanitary bins are taken for either providing new bins or for replacing old and broken saintary bins.

The following table shows the refuse collected and removed in tons by the Street Cleansing Section and the population of the City with its area in acres :—

Population as per census of 1941.	Area in acres.	Tonnage of refuse collected and removed			Total
		House and Street	Trade	Market	
14,89,883 (Actual over 25,00,000 as per ration figures)	16,76,157	6,81,594	75,854	72,927	8,30,375 tons.

Disposal of refuse.—The following table shows the quantity of refuse disposed of in tons by various methods :—

By rail.			By Reclamation			By incine-ration.	By Manure pits
House-hold	Trade.	Market.	House-hold.	Trade.	Market	Trade	Trade
3,98,754	20,235	21,073	2,82,840	1,98,306	51,854	6,780	98,694

TOTAL

House-hold	Trade.	Market	Grand Total.
6,81,594	3,24,015	72,927=	10,78,536 tons.

The vehicles used for collection and removal of refuse consisted of 60 motor vehicles which worked in 2 shifts morning from 5-30 A.M. to 1-30 P.M. (B.T.) and evening from 1-30 P.M. to 9-30 P.M. (B.T.) Each lorry made 3 to 4 trips in each shift. Besides mechaniaclly propelled vehicles, 342 bullock driven carts were put on the work of removing refuse. On an average 2,275 tons of refuse were daily collected and removed.

Public receiptacles and refuse collection yards for temporary deposit of refuse.

Street bins.	Dust bin cart on stands.	Refuse Bucket bins on stands.	Refuse sheds.	Refuse yards.	Waste paper bins.	Sputum bins.
17	98	15	141	3	248	45

The refuse collection yards shown above are situated at Palton Road A Ward, Ghorupdeo Road E Ward East, and Prabhadevi Road, G Ward, South. Refuse collected by sweeping roads and gullies in some parts of A, B and C Wards is brought by carts to Palton Road Yard, that from some parts of E Ward East to Ghorupdeo Road Yard and from F and G Wards to Prabhadevi Road Yard. Collections thus made at the yards are removed to Mahaluxmi Refuse Siding by means of refuse lorries. From the refuse siding it is removed by rail to Deonar for filling in low lying lands and thus re-claiming the barren land. Dry refuse is also sent to (1) Hornby Vellard. (2) Haines Road, (3)Matu iga Railway Lines and (4)Dharavi Low Lying lands for filling in the low lying lands

(4) ROAD WASHING AND GULLY FLUSHING.-

The asphalt, concrete and set stones roads are washed twice a month as a routine.All washable roads in theCity are washed in about four days by utilising the services of the gully flushing gangs in addition to road washing staff. With a view to avoiding accidents to the vehicular traffic the road washing work is carried in the early hours of the morning between 2-30 and 5-30 A.M, (S.T,)Generally the road washing work is carried out in first and third week of the month. The work is suspended during the monsoon period. The arrangement of washing roads early in the morning has resulted in reducing a number of accidents to horses, bullock and vehicular traffic, as by the time heavy regular traffic begins, the roads get dry. Due to tremendous increase in the City population, it is quite essential that the roads should be washed every week instead of every fortnight. This however, cannot be given effect to on account of water scarcity and inadequate staff. The sugges tion will be given effect to as soon as better conditions prevail. House gullies are flushed and clearised twice a month. The gully flushing work is absolutely essential to keep them free from refuse and filthy matter thrown by the tenants from the upper floors.

Table showing the work of road sweeping, scraping and washing and gully flushing in 1947.

Area of roads scraped in sq. yds.	Tons of road scrap-ing removed	Areas of roads and foot-paths in sq. yds.		Area of gullies in sq. yds. flushed.
		Swept	Washed	
80,07,836	28,977	10,68,08,76,740 (1,46,31,338 sq. yds. twice daily).	1,51,15,250	33,65,679

(5) CLEANSING OF HOUSE DRAINS

The work of cleansing house drains and removing chokes therefrom was previously done by this Branch while the drainage depa:tment looked after the work in connection with choking of main drains, sewers and deep house drains. This division of work among two different departments caused a lot of inconvenierce in dealing with the problem arising from chokes in the drains. With a view to remedying the defect, the entire work pertaining to the drains was transferred to the Drainage department from 1st June 1947. At present this Branch attends to simple chokes in the gully traps only.

The work done upto the end of May 1947 in connection with the drains.

No. of temporary chokes removed.	No. of pipe lines cleaned.	No. of drains rectified at owner's cost.
1,54,321	12,418	34

(6) COLLECTION, REMOVAL AND DISPOSAL OF NIGHT SOIL.

The Halalkhore work was carried out on a large scale as was done last year. This was mainly due to the refugees seeking shelter in Bombay. Additional temporary basket privies and cesspools were constructed mainly in the northern part of the City. The work with a limited number of staff was carried out as efficiently as possible. There was no material change in respect of conversion of basket privies into water closets in F and G Wards. Similarly the work of laying out drains was also kept in abeyance due to shortage of materials. During the year under report 44 cesspool carts and 3 cesspool lorries were employed to cope with the work of basket privies and cesspools. The following table shows the work done by the Halalkhores :—

No. of Halalkhores and vacant ground cleaners employed.	No. of Cesspool-cart drivers.	Privy seats.	Cesspools.	Septic tanks.	soakage pits.	Amount of excrementious matter removed.	
						From Privies.	From Cesspools.
879	47	2,010	587	117	47	6,44,690 (Baskets).	8,24,860 (Gallons.)

The work of cleansing the septic tanks attached to private premises which was done by this Branch has now been transferred to the drainage department from 1st June 1947. The majority of the septic tanks, cesspools, soakage pits and privies are in F and G Wards.

Baskets previces in sewered and unsewered areas :—

Ward.	Sewered Area.		Unsewered Area.	
	Blocks.	Seats.	Blocks.	Seats.
A ..	..	..	...	...
B ..	..	..	...	...
C ..	..	...	...	...
D ..	1	2	...	...
E/East ..	2	6	...	...
E/West ..	..	..	...	...
F ..	39	179	279	721
G/South ..	111	246	30	27
G/North ..	127	245	136	584
Total ..	280	678	445	1,332

Public Sanitary Conveniences :—

	Latrines only.	Urinals only.	Bathing places only.	Combined Latrines and Urinals	Combined Latrines, Urinals and Bathing places.	Basket Privies.	Total.
No. of structures ..	46	116	6	61	21	9	259
No. of seats ..	415	..	..	282	115	..	812
No. of stalls ..	..	379	..	244	80	..	703
No. of Bathing Cubicles ..	..	..	22	87	..	..	109
No. of Privy Seats ..	..	..	..	..	..	108	108

The public conveniences shown above were erected by the Municipality at different suitable places for the use of the general public.

(7) Rat Destruction Work.

During the year the rat killing operations were required to be intensified due to the prevalence of plague in the neighbouring areas of Bombay. Besides the usual number of 136 rat catchers employed for the purpose, additional help was taken from the other services, such as gully flushing staff for carrying out operations. Rat destruction work is carried out by the following methods (1) Trapping by using wonder traps, (2) Gassing by using Cyanogas A. Dust, (3) Baiting by using Barium Carbonate, (4) Flooding the rat holes with water and killing the rats when they come out and (5) Killing rats during night time when they come out by striking them in localities where there are a large number of grain godowns, markets, big restaurants, hotels and stables, etc. Sufficient precaution is taken at the time of laying poison baits lest it may prove harmful to pet animals and small babies. 8,38,478 rats were caught and destroyed during the year 1947 as against 6,78,982 during the year 1946. This was the highest rat-catch registered in any one year since 1912. Rats caught in diffrent wards of the City are sent to the Haffkine Institute for examination to find out whether they are plague-infected. It is gratifying to note that none of the rats was found plague infected by the Haffkine Institute. The following table shows the work done in connection with rat destruction —

Baits prepared of Bajri Flour and Barium Carbonate.	Traps laid.	Cyanogas pumps	Rats killed.	Rats caught.	Total.	Rats examinaed.
53,01,698	2,84,632	15	1,17,669	7,20,809	8,38,478	3,20,530

(8) Dog Destruction Work.

Raids for catching stray and ownerless dogs were carried out throughout the year by employing the following methods :—

(*i*) Catching dogs by using American Buck Skin gloves for protection of the hands of the catchers.
(*ii*) Catching dogs by using tongs made of iron with wooden handles in case of rabid and unmanageable dogs.
(*iii*) Catching dogs by means of specially prepared nets.
(*iv*) Destroying dogs by giving strychnine poison in case of wild and ferocious dogs.

Dogs thus caught were sent to the Lethal Chamber at Mahalaxmi for being destroyed either by gasing or electrocution.

This year 7,309 dogs were caught, out of which 6,199 were destroyed, 546 were returned to the owners and 564 were detained in the dog kennel at Mahalaxmi Refuse Siding. (The figures included special raid figures carried out by the Dog Licensing staff). 2,988 dog bite cases were recorded this year, as against 2,779 cases during the last year. In case of a dog bite, anti-rabic treatment was given at the Haffkine Institute. Most of the dog bite cases were from the pet dogs.

(9) Dog Licensing.

The work of licensing of dogs in the City was carried out on the same basis as in the year 1946. As usual the first notification was published on 1st April 1947 in authorised newspapers but it had a poor response and Marathi knowing licensees failed to renew their licenses during the specific period, *i.e.*, the month of April. Consequently the notification was again published on 5th May in local vernacular papers and it had the desired effect. A house to house search for unlicensed dogs was made by the staff and the owners of the unlicensed dogs were threatened with prosecutions in the Courts of Law. Regular raids for seizing unlicensed dogs were carried out and at times the help from the Police authorities was sought for. During the year under report the following number of dogs were either lost, destroyed or sent to Panjrapole or out of Bombay :—

(1)	Death of licensed dogs ..	477
(2)	Dogs sent out of Bombay ..	73
(3)	Untraceable dogs, due to change of ownership ..	103
(4)	Lost by owners and could not be traced ..	62
(5)	Dogs offered for destruction ..	24
(6)	Dogs sent to Panjrapole ..	67
	Total ..	806

Work done by the Dog licensing staff :—

(1)	Number of Notices served ..	7,627
(2)	Number of licenceds issued ..	7.967
(3)	Number of dogs caught ..	6,624
(4)	No of dogs released by the owners ..	396

The following list shows the annual income from 1st April 1947 to 31st March 1948.

		Rs. as. ps.
(1)	Tax on dogs ..	39,865 0 0
(2)	Cost of Number tickets replaced ..	185 0 0
(3)	Sale of dogs ..	28 0 0
(4)	Feeding charges ..	170 12 0
(5)	Miscellaneous ..	164 0 0
	Total ..	40,412 12 0

(10) Catching and Impounding Stray Cattle.

With a view to abating the nuisance caused by stray animals regular raids were carried out with the help of the Police whenever necesssary. The present arrangement of charging a nominal fee for the cattle pound is quite inadequate and induces owners to keep animals in places without any stable arrangement and allowing them to tether in public places. It is now time that the Police should take up the matter in hand and help the City Municipality in abating the nuisance permanently. The animals allowed to stray in the streets is a source of not only a nuisance but is also dangerous to pedestrians and the traffic. 267 raids were carried out and 1,133 animals were caught and impounded in the Police pound.

(11) Removal of Dead Animals.—

The carcasses of dead animals are taken to Mahalaxmi Siding from which they are taken by rail and handed over to the skinning contractor at Deonar, to whom the annual contract is given for skinning dead animals. The contract for the year 1947-48 was given for Rs. 63,976. No fees are charged at Mahalaxmi Refuse Siding for receiving animals by owners making their own arrangements, but if the animals are removed by the Municipality, a certain amount of fees is charged. 1,663 big animals and 20,249 small animals were removed during the year 1947-48 and Rs. 10,606 were realised by way of removing charges.

(12) Infectious diseases Ambulance service and service for Removal of Dead Bodies.

The ambulance service is rendered free of charge within the City limit for patients suffering from Infectious Diseases. For the purpose 4 ambulances are kept at Arthur Road Garage for removing patients to the Infectious Diseases Hospitals from their residence. The ambulance service is open throughout the day and night. Patients suffering from other diseases and lying either on road-sides or in chartitable hospitals are also removed free of charge to their houses, or hospitals. So also the patients discharged from the Infectious Diseases Hospitals at Arthur Road or from the Maratha Hospital at Connaught Road are taken back to their homes free of charge. The ambulance service is also made available for removing Infectious Diseases patients to hsospitals from outside the City limit by charging annas 12 per mile. This service, however, can only be given provided it can conveniently be spared. There are two hearses for removal of Christian and Non-Christian dead bodies from the hospitals to their homes or to the cemeteries. One dead body van is also kept ready at the K.E.M. Hospital for the purpose. For the services of the hearse or the dead body van, a charge of Rs. 5 is made for the first hour and Rs. 3 for every subsequent hour. Exemption is allowed in deserving cases. Free service of hearse is made available for removal of Christian pauper dead bodies to cemeteries within the City limits on production of a certificate from the Parish Priest. The hearses and the dead body vans are also available for removal of

dead bodies outside the City limits on payment provided they can be spared.

Work done by Ambulances and Hearses :—

	Rs.	a.	p.
(1) No. of Christian pauper dead bodies removed ..	329	0	0
(2) No. of Non-Christian pauper dead bodies removed ..	309	0	0
(3) No. of patients removed by Infectious Diseases Ambulances to Hospitals	8,169	0	0
(4) Amount recovered by services rendered ..	16,834	4	0

PREVENTION OF VARIOUS TYPES OF NUISANCES

This branch has to deal with various types of nuisances such as :—

(1) Throwing of refuse in streets, gullies and public places.
(2) Fouling the public roads by urinating and defecating.
(3) Indiscriminate spitting.
(4) Pigeon nuisance.
(5) Monkey nuisance.
(6) Cat nuisance.
(7) Nuisance from bad smell.

(1) **Throwing of refuse.**—For preventing the nuisance caused by throwing of refuse a staff of Nuisance Detectors is maintained. Persons found committing nuisance are charged under Section 372(*e*) of the Bombay Municipal Act and are prosecuted in Courts of Law. 630 cases were made under this section, out of which 128 cases were either acquitted, discharged or withdrawn. The total amount of fines inflicted was Rs. 5,052-8-0.

(2) **Fouling public roads.**—Over and above detecting the cases of throwing refuse, the Nuisance Detectors keep a constant vigil over the persons committing nuisance by way of urinating and defacating etc. The offenders are charged and tried under Section 124 of the Bombay City Police Act. 711 cases were made under this section, out of which 6 cases were either acquitted, discharged or withdrawn. The total amount of fines inflicted was Rs. 1,291-8-0.

(3) **Spitting.**—With a view to inculcating the sanitary habits amongst the public, the Municipality has provided 45 sputum bins in the City attached to Tram Poles at important junctions. No prosecutions can, however, be launched in this case but it is hoped that the public will realise themselves by carrying out health propaganda and enlightening the people as regards danger of indiscrimate spitting on public roads and spreading germs of such disease as Tuberculosis. It is seen that the sputum bins provided by the Municipality are not made use of by the public.

(4) **Pigeon nuisance.**—The pigeons are fed by a number of charitably disposed persons. In some cases it is found that the pigeons are a source of nuisance and cause annoyance to the people of the locality. Places where grains are thrown for feeding the pigeons are swept and kept clean. The nuisance cannot be removed completely so long as the public religious sentiment remains as it is. Efforts are being made to educate the public mind by bringing to their knowledge the nuisance caused by pigeons.

(5) **Monkey nuisance.**—The nuisance has now practically disappeared. However instructions have been given in all wards to trap the monkeys whenever seen.

(6) **Cat nuisance.**—During the year under reference 366 cats were caught by setting traps and consequently destroyed. Cat nuisance is not so serious. Traps are supplied only when some complaint is received in the connection.

(7) **Bad smell nuisance.**—Complaints from bad smell is mainly due to chokes in the drain. Immediate relief was given whenever required by removing temporary chokes from the drains as well as from Nahani traps, soil pans, etc., pending action against the owners. The conservancy branch does its work as efficiently as possible. The work will however be much reduced if the public co-operate with us and help us in keeping the City clean through out the day. This can only be done if the people give up their old habits of throwing refuse indiscriminately from windows on public roads and in house gullies. Inspite of measures taken by this Branch to keep the Ctiy clean, the places are found littered with refuse immediately they are swept and cleaned. This results not only in making the locality appear dirty but invites in itself flies and rats and consequently various diseases transmitted by them. Intensive propaganda can only educate the public mind and hence the Propaganda Officer has already taken steps in that direction. It is hoped that with the spread of education, the nuisance will come to an end. As was done last year, the work of cleaning Dharavi Area was carried out this year also. The locality is inhabited by the labour class who have very little knowledge of sanitation and with a view to keeping the area in a sanitary condition the work of cleaning the private compounds inhabited by these persons was undertaken by the Municipality.

(14) Veterinary Services.

The Veterinary Section is in charge of the Senior Veterinary Inspector. He has a staff of 3 Junior Veterinary Inspectors and 9 Veterinary Assistants. The section looks after and manages two hospitals for the animals (1) Municipal Bullock Hospital at Kamathipura for treatment of Municipal sick bullocks and (2) Infectious Diseases Hospital for animals at Mahalaxmi Siding. Animals from the private owners are also admitted to this hospital for treatment on payment of certain fixed fees.

Work done at the animal hospitals :—

Cases treated	Bullock Hospital		Infectious Diseases Hospital			Feeding charges recovered.
	Cases discharged.	Animals died	Cases treated	Cases discharged.	Animals died.	
						Rs.
233	183	50	14	12	2	260

The stables owned by private parties are inspected by the Junior Veterinary Inspectors for detecting cases of Rinderpest, Foot and mouth diseases and other contagious diseases. They also look after the treatment of Municipal bullocks at various stables and check the work of the Veterinary Assistants who are in charge of these stables. Initial treatment of the sick bullocks is done by the Veterinary Assistants at the stables. Sericus cases are only sent to the hospitals for further treatment. A proper record of the ration received for bullocks and the ration given daily is kept ready by the Veterinary Assistants. To prevent Rinderpest amongst the milch cattle in the City, the work of inoculating the milch cattle was also undertaken by this section. The Government as usual provided free Virus and Anti-Serum, necessary instruments and equipments while the Municipality undertook to bear costs as regards allowances to the staff etc. The total number of inoculations made during the year is 15,023, out of which 14,614 animals were inoculated at the Grant Road Station and 409 animals were inoculated at the different stables in the City. The precautions taken in inoculating the animals have resulted in reducing the number of Rinderpest cases as this year only 31 cases of Rinderpest were recorded as against 81 in the last year.

(15) RENDERING CONSERVANCY AND SPECIAL HALALKHORE SERVICES.

Besides the work of rendering regular duties allotted to this Branch, the work of rendering special Halal khore and Conservancy services to various Circuses, Exhibitions, Amusement parks and also big concerns and industrial establishments is being done by this Branch. Thus not only a good income is derived for the Municipal Treasury but the places are kept sanitary and clean. During the year under report Rs. 4,885-9-0 and Rs. 17,810-6-6 were recovered by rendering Special Halalkhore and Conservancy services respectively.

(16) SALVAGE OPERATIONS.

One of the duties allotted to this Branch is to destroy rotten foodstuffs and such of the other articles which are declared to be unfit for human consumption by the Municipal Medical Officers or by other some responsible persons. Foodstuffs declared unfit by the Municipal Officers are seized and sent to the Mahalaxmi Refuse Siding for being destroyed. Unwholesome goods such as fruit tins, ham packages, etc., are also sent by some well reputed firms for being destroyed of their own accord. No fees are charged for such destruction work. If demanded, necessary certificates are also issued for the goods actually destroyed. A limited staff is maintained at the Mahalaxmi Refuse Siding to look after the work of destroying such goods and to sort out food tins, boxes gunny bags, etc. These salvaged articles are sold by auction to the customers. During the year Rs. 1109 were realised by such operations.

(17) ARRANGEMENT FOR AUCTION SALE, etc.

The Conservancy Branch is entrusted with certain Health Department rights which are annually auctioned to the highest bidder. The intending bidders are invited by addressing personal letters and by advertising in the local papers. The Health Officer and the representatives of the Chief Auditor attend the meeting when these rights are disposed of. A good annual income is derived thereby. The following figures show the annual income derived from the sale of rights and by Special Halalkhore and Conservancy services:—

		Rs.	a.	p.
(1) Special Halalkhore service	..	4,885	9	0
(2) Rendering Conservancy Service	..	17,810	6	0
(3) Salvage operations	..	1,109	0	0
(4) Sale of H. D. Rights	..	17,458	0	0
(5) Removal of carcasses	..	10,606	0	0
(6) Ambulance and Hearse services	..	16,834	4	0
(7) Treatment and feeding charges recovered from owners at Infectious Diseases Hospital for Animals	..	260	0	0
(8) Skinning contract	..	63,976	0	0
Total	..	1,32,939	3	6

(18) Co-operative Credit Societies.

For the benefit of the Labour staff Co-operative Credit Societies are conducted in every Ward. These Societies have proved very successful which will be shown from the following figures.

Serial No.	Name of the Society.	No. of members.	Share Capital subscribed.	Amount of Loan granted.	Amount of Loan recovered.	Amount of Reserve Fund.	Class.
			Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
1	A Ward Marathi Bigari Co-operative Credit Society, Ltd.	415	45,437 5 0	63,875 0 0	67,510 13 0	6,114 10 9	A
2	A Ward Gujarati Scavanger & Halal-khoreCo-operative Credit Society, Ltd.	155	15,533 6 0	25,425 0 0	26,025 0 0	2,078 10 8	A
3	B Ward Conservancy Employees' Co-operative Credit Society, Ltd. ...	533	46,482 0 0	69,581 12 0	65,008 15 0	6,004 14 0	A
4	C Ward Marathi Bigari Co-operative Credit Society, Ltd.	276	26,602 9 0	27,360 0 0	26,008 0 0	2,681 13 0	A
5	C Ward Gujarati Scavenger & Halal khore Co-operative C. S. Ltd. ...	169	17,959 12 0	17,988 0 0	15,665 0 0	2,138 8 0	A
6	D Ward Marathi Bigari Co-operative Credit Society Ltd.	314	23,495 15 0	42,798 0 0	36,977 0 0	3,313 10 0	A
7	D Ward Gujarati Scavenger & Halal-khore Co-operative Credit Scty., Ltd.	323	19,077 0 0	21,110 0 0	20,339 0 0	1,725 6 11	B
8	E Ward East Conservancy Labour Employees' Co-operative Credit Society, Ltd.	254	19,918 7 0	36,214 0 0	30,899 0 0	2,702 11 0	B
9	E Ward Wast Conservancy Labour Employees' Co-operative Credit Society, Ltd....	291	13,320 0 0	25,575 0 0	17,425 0 0	399 0 0	B
10	F Ward Conservancy Labour Employees'Co-operativeCredit Society, Ltd.	802	55,099 1 0	1,18,182 0 0	59,869 0 0	2,321 15 6	A
11	G Ward South Conservancy Labour Employees' Co-operative Credit Society, Ltd....	453	38,904 8 0	56,415 0 0	52,932 0 0	3,743 12 0	
12	G Ward North Conservancy Labour Employees' Co-operative Credit Society, Ltd.	614	38,525 10 0	1,09,134 15 0	44,980 0 0	1,888 9 0	A

SCHOOL HEALTH WORK.

The routine plan and Rationale of the care of the School child should consist of :—

(1) Provision of satisfactory and sanitary surroundings to the Schools.
(2) Medical Inspection, 3 times during the primary school career-at entrance, in the 2nd Standard and during the termination in the 4th Standard with a view to finding out physical defects.
(3) Correction of defects after their detection.
(4) Protection of school children from communicable diseases,
(5) Prevention of development of new defects through Health Education by inculcating proper habits of living.

As regards No. (1) most of the schools in the City are lodged in hired premises which were originally meant for residential purpose. Some of these are ill-ventilated and ill-lit. This state is unfavourable for healthy growth of budding children. The model premises for schools are the present buildings of Byculla Urdu Primary and Dongri Urdu Primary schools. All the schools will have to be constructed on this model to ensure healthy environment to the school children.

As regards No. (2), there are 1,19,233 children in primary schools—66,176 Boys and 53,057 Girls.

The following children are examined annually, thus giving the benefit of two inspections to the children during the primary school career.

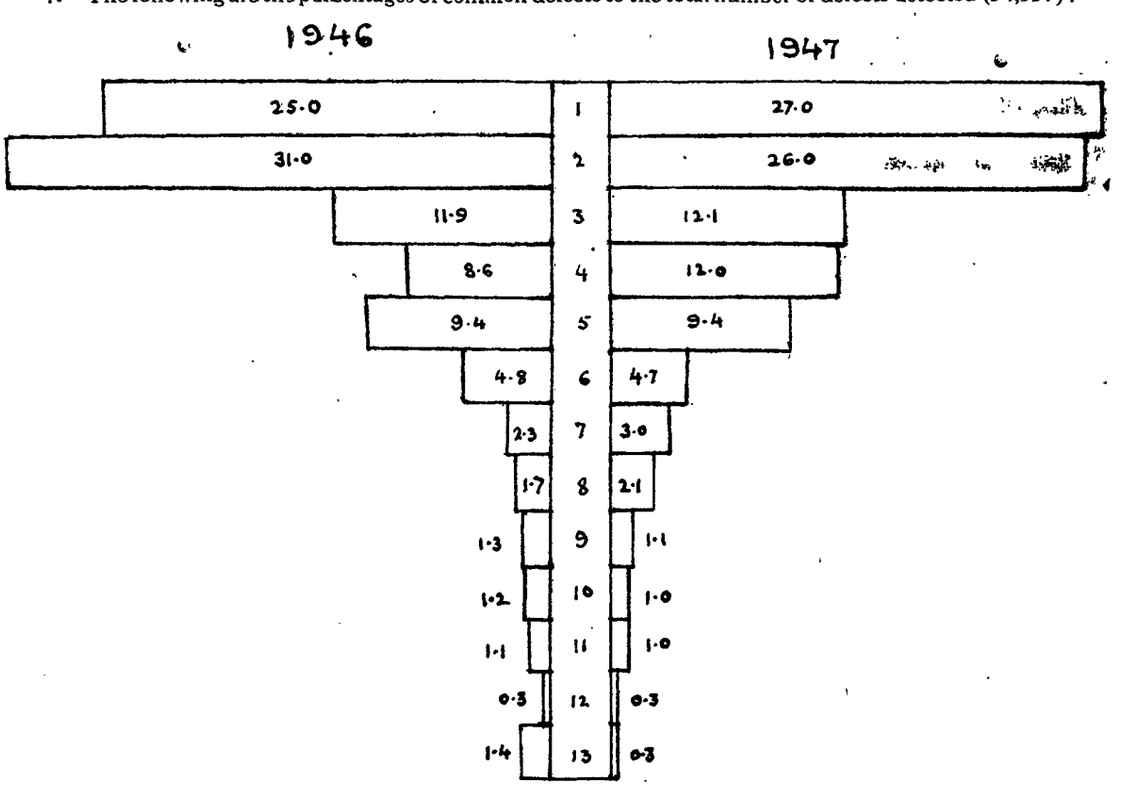
(*a*) New entrants in Infant classes,
(*b*) Children detained in Infant classes who could not be examined during the previous year due to their absence while the Medical Inspection was in progress.
(c) Children in the III Standard.
(*d*) Some children in classes other than Infant and III standard are examined at the request of their parents or school teachers.

The total number of schools visited during the year was 266 of which 146 were boys schools and 120 girls schools. In these 26,245 children were examined in all 14,151 Boys and 12,094 Girls. Due to the strengthening of Medical Inspection Staff recently it is expected in future to examine children in all the municipal schools (Nos. 417 including classes) during an academic year.

Amongst the 26,245 children examined 19,092 were found suffering from one or more defects. Intimations in these cases were sent to parents and guardians about the defects of their children. In 15,273 cases replies were received from the parents, out of whom 12,932 expressed their consent to treatment being given under our care at the Central School Clinic.

581 parents and guardians were interviewed in the office with a view to persuading them to get their children treated either at the Municipal Dispensary nearby or at the school clinic or by their family physicians.

1. The following are the percentages of common defects to the total number of defects detected (34,337) :—



(1) General Debility : (2) Dental : (3) Skin diseases : (4) Enlarged Lymphatic Glands : (5) Throat (6) Eye (External) : (7) Vision (III Standard only) : (8) Heart and Circulation : (9) Nose : (10) Lungs , (11) Ear : (12) Enlarged Spleen : (13) Deformities of Bones and joints.

3. **Correction of defects.**—The children are examined by the Medical Inspection staff and the defects: if any, are noted. These defects are communicated to the parents of the respective children enquiring if they would like their children to be treated at the municipal clinic. Some of the children requring minor treatment are either directed or escorted by School Health Nurse to the nearest municipal dispensary. The children in whose cases parental consents have been received are taken to the school clinic at the K. E. M. Hospital for treatment. The school clinic at the K. E. M. Hospital has 5 departments which are kept open on different days in the week. They are (1) Medical and Surgical, (2) Dental, (3) Aural, (4) Skin and (5) Ophthalmic.

Children are taken to the departments by the School Clinic Organiser and the Assistant School Clinic Organiser in municipal buses on school working days. The present school clinic can cope up with the work of treating only 1,600 cases approximately and a large number is unattended to for want of adequate facilities

therefor. The expansion of the School Clinic is under consideration. In the near future it is expected that the Corporation will provide for the treatment of nearly 10,000 children annually.

The number of new children so treated during the year was 971 along with 3794 old cases. The fall in the treatment of new cases during the year was mainly due to frequent communal riots and disorganisation of one of the two buses.

Besides the treatment given at the Central Clinic, K. E. M. Hospital,the following measures were adopted to correct the defects of the school children :—

(1) 20 spectacles were supplied to the poor deserving children free of charge.
(2) 469 schools were supplied with emergency out-fit.
(3) 22 children were vaccinated at the Central Vaccination Station, Parel.
(4) 16 children who were suspected to have been infected by Leprosy were referred to the Superintendent, Acworth Leper Home for investigation. Two of these were certified as infectious and hence they were debarred from attending any of the municipal schools and others were kept under observation.
(5) 3 children bitten by dog and 3 by rats were treated at the Haffkine Institute.
(6) Out of 392 children who were advised to go to the Municipal Dispensary only 30 children took the benefit thereat. Hereafter the School Health Nurses recently appointed will be directed to accompany the children to the dispensaries and after treatment to reach the children to their homes or schools whichever is convenient to the children.
(7) 1,883 children suffering from minor skin diseases, scabies, ring-worms, etc., were treated in schools.

The inadequacy of the inspectorial staff even for inspection of the students every year in every school has recently been removed by augmenting the staff by the two Assistant Medical Officers and six School Health Nurses who assist the Medical Officers (Schools) in their work.

4. **Protection of children against communicable diseases.**— One of the advantages of medical inspection of school children is the opportunity obtained for detecting children with communicable diseases and thus preventing them from attending schools. . As soon as such children are detected the Medical Officers (Schools) report the names to this department for taking up the matter with the Secretary, Schools Committee, and steps are taken to see that such children do not continue to be a source of infection to other children.

5. **Prevention of development of new defects or removal of old ones by inculcating proper habits of living through Health Education.**—This aspect of the problem forming an important part of the School Health Work is being done through Health Nurses recently appointed. The School Health Work does not end with the correction of defects. The ailing children are followed to their homes and steps are taken to prevent recurrence of new defects. This is done through School Health Nurse. Each member of the Inspectorial staff has a School Health Nurse to work with him or her. Of late the Health Nurses follow the ailing children in schools and homes and advise and demonstrate t o them about the maintenance of health under the instructions of the Medical Officers.

Routine Health Education by talks and demonstrations on the one hand and pupil participation on the other hand is a feature of the work required to be carried out systematically by the Medical Officers (Schools) with the help of School Health Nurses. Health Education precedure is being developed and the scheme of training teachers in regard to school health is being devised. When this is completed a more intensive programme of Health Education will be carried out in our schools. The School Health Nurse will for this pruposes go round the schools giving the children talks and demonstrations and get them drilled into practice of health habits for healthy living. Routine lectures with Lantern slides and cinema shows will have to be given in cooperation with the Publicity Branch of the Public Health Department. As practical work on these lines will have a better effect on children and their health, this aspect of problem should not be defered any further. It is only then that the proper result of school health work will be achieved. 286 talks on different subjects of health were given by the Medical Officers (Schools) as against 246 in 1946.

The Medical Inspection should not end with the examination of children and treatment of defects only. Periodical School Medical Inspection supplemented by remedial measures, mid-day meals or milk ration for under-nourished children and compulsory physical training are three important ways of improving the health of school children.

Milk Scheme.—Weak and under-nourished children numbering over 10,000 received each 6 oz. of Pasteurised toned milk daily except on Sundays and Holidays from 5th August 1947 upto the end of the official year.

There are in all 281 centres located in convenient schools. The Head Teachers or other teachers arrange to get the milk distributed among the under-nourished children with the help of peons. In this scheme about 300 teachers and 400 peons co-operate. The former maintain the registers and cards of the milk recipients and the latter see to the hygienic side of milk tumblers and utensils. For this service rendered by them during their recess hour a small monthly allowance is paid to them.

Milk is received in bulk from the Milk Commissioner at the Polson Ltd., Mazgaon, by the Chief Supervisor (Milk) in the morning. He then distributes the quota of every centre in different milk cans with the help of three attendants. These cans are sealed and supplied to the centres before the recess period of the school in seven distributing trucks by 7 peons each accompanying a truck.

The teachers of the centre distribute 6 oz. of milk to each under-nourished child in brass tumblers Each child is given a separate tumbler for his exclusive use. The milk of the absentees is given to substitutes who belong to second category of under-nourished children. The milk cans are taken to th Governmenet Worli Dairy and sterilized in Steam Boiler every day making them safe for further use.

With a view to stimulating co-operative efforts among the parents, school teachers and School Medical Officers in the matter of health of children, Health Day is celebrated annually under the auspices of the Public Health Department. But this year it was not celebrated due to frequent communal disturbances in the City.

SOCIAL WELFARE WORK.

Welfare work among the labour classes was started by the Municipality from the year 1927 when the Young Men's Christian Association was entrusted by the Corporation with the work of promoting recreation and general education among the labour staff at Love Grove. In the year 1928 three centres were added and the amenities were extended to other centres where the Municipal Labour staff resided. In the year 1938 this work

was carried on at 11 centres, *viz.*, (1) Love Grove, (2) Prabhadevi, (3) Dadar, (4) Arthur Road, (5) Agripada, (6) Palton Road, (7) Taikalwadi, (8) Tardeo flats, (9) K. E. M. Hospital, (10) Cochin Street and (11) Umarkhadi. The work was entrusted to different voluntary organisations which carried the same according to their own programme.

In order that there should be uniformity in the welfare work carried on at the different centres and that there should be a better control over the money spent it was decided to organise the work under the municipal control. A scheme in the direction was submitted to the Corporation which was approved of by them under their Resolution No. 131 of 9th May 1938. As decided by the Corporation a Special Welfare Branch was created under the Public Health Department and the conduct of the welfare work at (1) Love Grove, (2) Parbhadevi, (3) Dadar, (4) Arthur Road, (5) Agripada, (6) Palton Road, (7) Mahalaxmi, (8) K. E. M. Hospital and (9) Cochin Street was entrusted to it allowing the centres at Kasarwadi and Umarkhadi to remain in the hands of the voluntary association. Subsequently the Umarkhadi centre was also brought under the municipal management

In the year 1944 one more welfare centre with a maternity unit attached to it was started at Chembur as per Corporation Resolution No. 529 of 22 September 1944 and the same was added to the list of centres managed by the Municipality.

The Welfare Branch is under the charge of a Welfare Organiser, who is specially qualified in social welfare work, and its administration is assisted by three assistants, of whom one is a Health Visitor and is in charge of the maternity unit at Chembur Welfare Centre. The part-time staff of the Branch consisted of 26 men and 22 women teachers who are keenly interested in social welfare work and possessing appropriate qualifications.

The welfare work carried on by the Welfare Branch at the eleven centres during the course of the year under review, can be classified as (1) Recreational activities, (2) Educational activities, (3) Health Work and (4) Labour Officer's work.

1. Recreational Activities.—(*a*) Both indoor and out-door games were played at the centres daily. The indoor games included Carrom, Draughts, Ludos, Snakes and Ladders, Chaupat, etc., while the out-door games included Kho-Kho, Atya-patya, Hu-tu-tu, Langdi, Volley-ball, Foot-ball, Deck-tennis, Lagori, Dodge-ball and several other Western and Indian group and team games. In addition to these games, physical culture and gymnastic activities were regularly conducted. They included wrestling, Malkhamb, Parallel-bar, Lathi, Pyramids, Lezim, Boxing and various types of drills such as free hand drill, Dumb-bells, Pole-drill, Wand-drill, Parshu, etc. Adults and boys made use of the gymnasiums for Namaskar and other Physical exercises in the mornings and in the evenings.

Inter-centre matches and tournaments were arranged at the week ends throughout the year. Matches with outside teams were also organised with a view to creating incentive and improving the standard of play. Our adults and boys gave a good account of their ability and skill on many occasions and also won matches.

Bhajans were performed on Saturdays and festival days, when a good number of adults gathered and took a keen interest in the functions. Poojas provided attraction for social gatherings of men, women, boys and girls.

Ganpati, Dassera and Divali functions were celebrated at different welfare centres, during the year and dramas, variety entertainment programmes and musical concerts were organised. Talks on various current and social topics and important problems of the day were given by the teachers of the Welfare Branch and by the guests invited for the purpose. Festival functions afforded facilities to our employees for cultivation and free expression of their artistic talents and capacities. Suitable prizes for encouragement were distributed.

Radio-sets have been provided at all the welfare centres except at Mahaluxmi Welfare Centre, which has no electricity. The people at the centres are greatly interested in listening to music and current news on the radio till late at night. In the centres, music is taught on Tablas and harmoniums and music circles are arranged.

Lessons in Band-playing were given under the instructions of a trained Band-master who with the help of three sets of Band articles was able to organise classes with full accompaniment for adults at various welfare centres. Our adults showed mach enthusiasm in learning the art.

(*b*) During the year under report, men, women and children from each centre were at regular intervals, taken to see educational and social films and exhibition, etc. Excurions for municipal men and women employees, to places of historic importance and natural beauty, i.g. Matheran, Poona, Nasik were organised.

In addition to the above, one day picnics to Bassein Fort, Vajreshwari, Jogeshwari, Canery Caves, Vihar Lake, Arnala Fort, Anand Fort, Ghod-bunder Sea-face, Elephanta Caves, etc., which are places nearby Bombay, were also organised for different welfare centres.

The daily attendance at the eleven welfare centres for indoor and out-door activities was well over 2500, adults and children.

2. Educational activities.—At every centre, literacy classes for both men and women were conducted daily. Lessons were alternately accompanied by cultural instructions in the form of lectures with the help of lantern slides, maps, charts and pictures, story-telling, reading and explaining of interesting passages from books and magazines. Daily news papers were purchased and read at every centre.

Special classes in English and Hindi were conducted regularly by our teachers for the benefit of those who are employed and cannot afford to attend regular schools. The school going children received valuable help, guidance and tution at the centres in different subjects taught in their schools. Facilities for study in centre rooms were provided to those high school students, who needed them most as they had to stay in small crowded rooms which afforded little privacy for concentration in their studies.

Talks, lantern slide lectures and cinema shows were arranged on current topics and subjects of immediate interest and social importance to the employees *i.e.* cleanliness, sanitary living, domestic economy, maternity, mother craft, child welfare, balanced diet, first aid, safety first, literacy etc. Periodical debates on various interesting subjects were also held at the welfare centres.

Lessons in scouting were given by our trained teachers to rovers, scouts, cubs, bulbuls and girl guides. Camp fires were organised at the welfare centres which provided the people with fun and merry-making.

For women, classes in sewing, embroidery, knitting and home nursing were conducted daily. Training was also given in the art of cooking, house-keeping, home decoration and various other household duties.

A nursery school managed by the Bombay Presidency Women's Council was started at the Arthur Road Welfare Centre in May 1947. The staff of the Welfare Branch has given them all the necessary help and co-operation. It has an accommodation for 35 children at present.

3. Health Work.—Providing housing accommodation for their employees is one of the most important problems that is before the Bombay Municipality for immediate consideration. The existing chawls are old and are overcrowded. As our welfare centres are situated in these municipal chawls, our teachers have to work in the same environment and home visiting formed an important item of the programme of daily activities at the centres. Chawls were visited regularly for cleanliness work and giving instructions to the occupants of the rooms on the importance of clean and sanitary living.

Women folk were advised on domestic economy, mother craft, care of babies etc. They were shown how they could prepare balanced diet cheaply and within the means at their disposal. Demonstrations in cooking and house arrangement were organised in the centres and in the chawls, when certain dishes were prepared and served. They were also persuaded to take advantage of the maternity hospitals in the City. Lectures giving valuable instructions in mother craft were delivered in the classes organised at Naigaum welfare Centre by a Health Visitor.

In the evenings, instructions were given to the inmates of the chawls, on personal hygiene and the care of all organs of body. Lectures were illustrated by slides, posters, bulletins and films on home hygiene and prevention of diseases, flies and mosquitoes.

Children were asked to wash their hands, face, feet and oil and comb their hair at the centres. They were also given baths on festival occasions.

The maternity unit attached to the Chembur Welfare Centre started its work in May 1947 and since then has been doing good work for the employees staying in the Labour Camp at Chembur. Most of the confinement cases from the Chembur Labour Camp were treated in the maternity unit. With the addition of a well qualified part-time Lady Doctor, it has been possible to conduct anti natal and post-natal clinics regularly in addition to the confinement cases. The following table will give a rough idea of the number of cases treated:—

Category.	No. of cases.	Remarks.
(1) Children (general) ..	209	2 children sent to Wadia Hospital.
(2) Women ..	181	6 cases were sent for screening at T. B. Clinic.
(3) Anti-natal ..	80	1 case sent to Wadia Hospital.
(4) Post-natal ..	61	..
(5) Confinement cases ..	46	1 case sent to Wadia Hospital.
Total ..	577	

4. Labour Officer's Work.—This work consisted of looking into the grievances and complaints of the labour staff and bringing them to the notice of the officers concerned for necessary action. The complaints covered a wide range of problems including housing, recruitment, leave, transfer, provident fund dues, etc. The Welfare Organizer attended the recruitments in the wards and saw that fresh recruits were taken up strictly according to seniority list maintained and no injustice was done to any one. Genuine cases for preferential treatment in lieu of the past services of old municipal employees were also brought to the notice of the competent authorities. As in the past, there was good co-operation from the officers concerned.

Quite in a good number of Provident Fund claim cases, the parties were given help in obtaining the death and heirship certificates and guardianship certificates through the Honorary Secretary, The Bombay Legal Aid Society who was kind enough to do the needful in such cases.

The Ninth Annual Sports were held on the 7th December 1947 on the St. Xavier's College Gymkhana ground, Parel, when Mr. A. P. Sabawalla, B.A., BAR.-AT-LAW, the Mayor of Bombay presided and distributed prizes.

The social welfare work among the labour staff was also carried on by three private agencies, *viz.*, (1) Bhagini Samaj (Centre at Bellasis Road), (2) The Hindu Sewak Samaj (Centre at Valpakhadi) and (3) Municipal Scout Local Association (Centre at Kasarwadi) who received grant-in-aid from the Corporation for the purpose. Recreational and educational activities are also carried out at these centres. A creche and a dipensary are conducted at Walpakhadi chawls and at Bellasis Road, respectively.

During the year, there were several inquiries from Government and Semi-Government Institutions regarding the organisation, method and scope of work of the Welfare Branch and all of them were promptly attended to. The students of the Tata Institute of Social Science were given facilities of field work at the Welfare Centres.

FOOD SANITATION.

Government discontinued the subsidized milk scheme from 1st March 1947 and introduced new scheme for supply of milk under their own control.

During the year 4,959 hawkers importing milk by train were inspected. 709 were found to have no license and 449 were carrying milk in open cans without covers. The number found with grass rings in the milk vessels was 418. 4 persons were detected dealing in skimmed milk containing Boracic Acid as preservative.

Prosecutions were instituted in 917 cases of hawkers found selling milk in streets without a licence. Details with regard to the adulteration of milk will be found in the report of the Municipal Analyst.

The total number of prosecutions for the sale of milk by unlicensed persons and for breaches of the licence regulations was 204 as against 127 in 1946.

Unwholesome food.—The following list shows the articles of unwholesome food seized and destroyed under Sections 415 and 416 of the Municipal Act:—

Fruit (Fresh) ..	5,473 Nos.	Gur ..	50 Lbs.
Fruit (dry) ..	1,079 Lbs.	Biscuits ..	484 Lbs.
Tins of preserved fruits ..	13,120 Nos.	Fish (fresh) ..	1 Basket
Potatoes ..	374 Lbs.	Fish (tinned) ..	8 Tins.
Onions ..	158 Lbs.	Ham ..	503 Tins.
Vegetables ..	98 Lbs.	Bacon ..	302 Tins.
Indian Sweetmeats ..	294½ Lbs.	Pickles ..	3 Lbs.
Cheese ..	214½ Lbs.	Flesh (tinned) ..	159 Tins.
Chocolates ..	24 Pcts.	Patent food ..	10 Tins.
Tamarind ..	2 Bags.	Condensed milk ..	1 Tin.
Coffee ..	4 Lbs.	Butter ..	1 Tin.

Statutory Notices.—The following list gives the number of notices served by the Inspectors and the number of prosecutions undertaken for various offences under the Municipal Act during the year :—

Notices issued under the Municipal Act in 1947 :—

	Number of notices issued under various sections of the Municipal Act.
Total number of notices issued ..	18,991
Number complied with ..	11,173
Number not complied with ..	6,562
Number pending (disputed or not served) ..	1,014
Number cancelled ..	242
Number of notices in 1947 ..	32,843

STATEMENT SHOWING THE NUMBER OF COURT CASES FILED UNDER DIFFERENT SECTIONS AND THE CASES OUTSTANDING ON 1ST JANUARY 1948.

1	2	3	4	5	6
Sections under which prosecutions were instituted.	Number of cases outstanding on 1st January 1947.	Number of cases filed in the year 1947.	Total of columns Nos. 2 and 3.	Number of cases disposed of	Number of cases outstanding on 1st January 1948.
248 ...	9	19	28	18	10
249 ...	6	40	46	32	14
250 ...	...	...	...	...	...
251 ...	...	16	16	11	5
257 ...	140	869	1,009	837	172
257, 375, 372 ...	117	580	697	524	173
258 ...	10	31	41	40	1
274 ...	2	16	18	17	1
316 ...	1	16	17	15	2
367, 368 ...	83	422	505	469	36
372 ...	491	656	1,147	943	104
375 ...	148	657	805	709	96
375A ...	28	114	142	131	11
377 ...	21	64	85	59	26
378 ...	26	17	43	42	1
379 ...	...	...	...	...	...
380 ...	159	198	357	253	104
381 ...	38	148	186	160	26
381A ...	3	9	12	11	1
384 ...	49	87	136	87	49
384A ...	4	23	27	22	5
385 ...	...	...	...	...	...
390 ...	40	158	198	153	45
391 ...	...	...	...	...	...
394 ...	234	685	919	757	162
397 ...	...	...	...	...	...
412A ...	215	623	838	647	191
507 (3) ...	...	7	7	7	...
424 ...	...	...	...	...	...
472 ...	13	22	35	31	4
461F ...	51	8	59	57	2
Total ...	1,888	5,485	7,373	6,032	1,241
Bombay Prevention of Adulteration Act ...	1,875	4,198	6,873	5,236	1,637

The total amount of fines inflicted during the year on account of these cases was Rs. 1,96,674-12-0.

SANITARY CONDITION OF THE CITY.

The principal causes contributing towards the insanitary condition in some parts of the City are the insufficiency of sewers, continuance of the basket privy system, density of houses and persons per acre and the difficulties in the way of rendering conservancy service, both as regards removal and disposal of refuse. With a view to accelerating the conversion of all the remaining basket privies into water-closets in the unsewered area, a subsidy is being given to the house owners since December 1939. During the year one basket privy was converted into water closet. Owing to war conditions further action has been suspended for the present as the cost of materials has risen considerably. Now that the war is over, this must be expedited forthwith.

Two chief difficulties in the way of keeping the City as clean as is desirable are—

(1) Shortage of water supply particularly in view of the enormous congestion and overcrowding at present prevailing.

(2) Lack of transport vehicle.

Further augmentation of the water supply to the City is very urgent and perhaps until the Tansa-*cum*-Vaitarna Scheme materialises, this difficulty will continue.

War transport lorries and other forms of vehicles have now to be obtained for speedy removal of refuse and complete obliteration of refuse sheds by introduction of house to house collection and removal of refuse in all wards.

Water Supply.—With the completion of the Tansa pipe line, the City is now provided with a fairly adequate supply of water from Tansa Lake. The whole supply is chlorinated throughout the year. No provision of any kind is made for filtration. The supply of filtered water to the City would no doubt be very costly initially and in maintenance, but the first City in India should expect a supply of more wholesome and safe water as would be obtained by filtration. The Corporation will have to take up this question seriously. The need of filtration is felt more acutely when the supply becomes muddy due to heavy rains and remains so for a few days.

Drainage.—The work of providing sewerage in the North of the Island which was in progress during 1942 is still incomplete.

HOUSING.

Insanitary Dwellings.—The routine inspection of dwellings and premises presenting or likely to present sanitary defects has been systematised under a scheme whereby each one of the 51 Medical Assistants and 18 Medical Inspectors is required to devote not less than one afternoon a week, to the inspection of houses in streets or areas definitely allotted for the purpose by the Assistant Health Officer. The scheme aims at the inspection of not less than 5 houses per week by each member of the inspectorial staff for 17,500 houses in all the year. Were inspections the single object in view, this number could be doubled or trebled. Since however, the primary inspections are only a first step in securing the elimination of the sanitary defects discovered their number is strictly limited by the number of secondary visits which the enforcement of the requirements of the department entails.

During the year 1 insanitary dwelling room was evacuated, 1111 huts were demolished.

Sanitary Inspection.—In Table 16 'Appendix) will be found a summary of the inspections (1,62,938) made by the Medical Inspectors and Medical Assistants during the yar and the sanitary works (1,6953) carried out in response to the actions initiated by them.

Scheme for clearance of Slum Areas in the City.—There are still many slums in the City which require prompt and immediate attention for their improvement.

Milch Cattle Stables.—The insanitary conditions caused by the existence of milch cattle stables in the heart of the City have been explained in the Report of 1939 and it is desirable that a suitable scheme for removing these stables from the City should be undertaken as early as possible.

POOR BOX CHARITY COLLECTION.

Statement of Receipts and Disbursements upto 31st March 1948.

Wards.	Balance on 1-4-1947.	Credits during 1947-48.	Total Receipts.	Debit.	Out standing Balance on 1-4-1948.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A and B ..	6,420 11 6	1,378 5 9	7,799 1 3	25 1 0	7,774 0 3
C and D ..	5,070 7 6	962 0 6	6,032 8 0	15 0 0	6,017 8 0
E ..	12,965 2 2	1,736 9 3	14,701 11 5	50 0 0	14,651 11 5
F and G ..	10,140 4 3	1,697 5 3	11,837 9 6	177 2 9	11,660 6 9
Total ..	34,596 9 5	5,774 4 9	40,370 14 2	267 3 9	40,103 10 5

PUBLIC HEALTH DEPARTMENT,
MUNICIPAL OFFICES,
BOMBAY, *11th June 1948.*

K. N. CHOKSY,
M.B.B.S., D.P.H., D.T.M.
Ag. Executive Health Officer.

REPORT OF THE CITY FEVER HOSPITALS, ARTHUR ROAD, BOMBAY FOR THE YEAR 1947.

City Fever Hospitals, Arthur Road, have now turned into full-bledged Fever Hospitals (from their primitive stage of Isolation Hospital in the year 1892) and patients suffering from all kinds of Infectious Diseases except Tuberculosis and Leprosy are admitted into this Hospital. Owing to continued riotous situation in the City in the early part of the year under report, the number of admissions during the period was small as compared with those in the respective periods of previous years. However the total number of patients admitted during the year was 7234, the highest number recorded in the history of the Hospital, the daily average being 161 The highest number of patients remaining under treatment on one single day was 286. From July onwards the daily number of patients remaining under treatment was always above 150. The number of patients suffering from Cholera (including Diarrhoea Vomitting and Food Poisoning) and Enteric Fever was 2012 and 1464 respectively which are the highest figures so far recorded.

The permanent staff consists of one Medical Superintendent, one Resident Medical Officer, one Assistant Medical Officer, three Casualty Officers, two Medical Registrars, two House Physicians, one Honorary Pathologist, one Matron, twenty-nine Nurses and about two hundred Menial Staff. As the total number of patients was above 150, temporary staff was employed according to the sanctioned schedule. This staff was further supplemented by appointment of special staff for Cholera due to heavy admissions of Cholera cases requiring constant individual attention. Owing to non-availability of nursing staff it was not possible to engage full quota of Nurses as required and it was necessary to fill their places by Nurses having only midwifery qualification etc. : and even with this the shortage of nursing staff remained as a result of which the available staff had to carry out considerable increased work. As a sufficient number of nursing staff was not available for the requirements of separate nursing for different kinds of Infectious Diseases, more than one or two different kinds of Infectious Diseases had to be treated in one ward which is not always desirable as far as it could be helped. It was not possible to get six probationers from J. J. and Cama Hospitals and six from the K. E. M. Hospital. Only four probationers were directed by the Dean, K. E. M. Hospital. In order to meet the deficiency partly four temporary posts of nurses were created provisionally.

The panel of Honorary staff of different specialities for expert consultation and treatment appointed since last year was continued during this year also.

ACCOMMODATION.

The accommodation for patients at present consists of :—

Small pox Unit.

Ward Nos. 1, 2 and 3 with 19 beds each ..	57	(They are in a dilapidated condition and can be used temporarily during epidemics only).
Ward Nos. 4, 5 and 6 with 25 beds each ..	50	(They are in a more dilapidated condition and two wards only out of the three can be used temporarily during epidemics).
Ward No. 7 with 14 beds		(It has been improvised as a lecture hall and is not available for accommodation of patients for normal as well as epidemic needs).
Total accommodation available ..	107	For temporary period during epidemics only.
Ward Nos. 14 and 16 with 36 beds each ..	72	
Semi permanent ward Nos. 17 and 18 constructed during the small-pox epidemic in 1944 for accommodating 50 beds each	100	
Total accommodation available in small-pox section for normal use ..	172	
Ward No. 8 with 14 beds ..	14	
	14	Reserved for yellow fever.

The General Unit for Infectious Diseases other than small-pox consists of—

Ward Nos. 9, 10, 11 and 12 with 14 beds each ..	56
Ward Nos. 13 and 15 with 36 beds each ..	72
	128
Grand Total	314

On account of the increased population of the City and the greater possibitilities for the easy spread of infectious diseases owing to overcrowding in restaurants, assemblances of people, etc., it is necessary that the accommodation at this Hospital should be increased. The total accommodation available in General Unit is 128 beds whereas the highest number of patients remaining under treatment is 286 which is nearly 2½ times the number of available beds. It is therefore absolutely essential to increase the present accommodation in the General Unit to the extent of at least 250 beds immediately. Proposal for construction of a ward having 2 storeys for accommodating 144 beds in this unit has been put up for the approval of the Corporation.

Similarly, extension of small-pox unit is also necessary as the present available accommodation is not sufficient for accommodating a large number of patients suffering from small-pox. The highest number of patients with small-pox remaining under treatment on one single day during the years 1942, 1944 and 1946 was 736, 826 and 626 respectively whereas the available accommodation is for 172 patients only. Necessary proposal for extension of accommodation in small-pox unit for 144 patients provisionally has been put up and the same is under the consideration of the Standing Committee and the Corporation.

Extension of office.

Owing to appointmert of additional staff for increased office and administration work, it is fonud necessary to extend the present administrative block and accordingly proposals for the same have also been submitted and are under consideration of the Corporation.

QUARTERS FOR THE STAFF.

The existing quarters are inadequate even for housing the permanent staff meant for 60 Patients. The staff of Medical Officers, Nurses, Clerical and allied staff have been increased from 3 to 9, 6 to 30, 4 to 11 and the menial staff from 66 to 186 respectively. But the accomomdation available is for 2 Medical Officers (family quarters), 28 nurses, 3 clerks and one compounder and 66 members of the menial staff only. It is not possible to provide quarters for the temporary epidemic staff and they along with a large number of employees on the permanent establishment as well have to stay out which is undesirable from the public health point of view. It is also in the interest of administration and Medical Relief work that this staff should be proivded with quarters. Plans for extension of the Hospital are being prepared by the Special Engineer and it is hoped that the work will be taken in hand early.

The work of extension of nurses' quarters is under progress.

RECREATION GROUNDS.

Maintenance of good health by providing playgrounds in the compound of this Hospital for the use of different kinds of staff is most essential, particularly, in the case of the staff attending patients suffering from various kinds of infectious diseases. Apart from better output of work obtained by physical and mental recreation after hard day's and night's work, health exercises and play will help them to increase their resistance against infectious diseases. A badminton court which was constructed last year has been found to be very useful to the Medical and Nursing staff. Necessity of gymnasium for the inferior staff is also acutely felt.

TABLE No. III.

The average weekly cost per patient, compared with that of the previous three years, is as follows :—

Particulars.	1944	1945	1946	1947
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Medicine ..	3 14 7	6 14 0	5 11 0	6 2 0
Diet ..	8 6 4	9 10 0	9 15 6	11 6 0
Clothing ..	2 3 2	0 15 9	0 14 0	0 13 7
Disinfectant ..	0 3 6	0 2 11	0 2 11	0 2 9
Store ..	0 14 0	0 15 9	0 11 9	0 12 7
Total per week ..	15 9 7	18 10 5	17 7 2	19 4 11
Total number of patients treated ..	7099	7147	6311	7234

TABLE No. IV.

The details of the total cost, per patient, per day for, the year 1947 will be seen from the following table :—

Year.	Diet.	Drugs, Dressing etc.	Stores and Linen.	Lighting.	Miscellaneous.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
1947 ..	1 10 0	0 14 0	0 3 5	0 1 11	0 1 11

Establishment.	Repairs, etc.	Total.
Rs. a. p.	Rs. a. p.	Rs. a. p.
3 6 0	0 0 9	6 6 0

CERTIFICATES

466 certificates were issued during the year under report as shown below :—

(1) Free Certificates	..	392
(2) Medical opinion Certificates	..	62
(3) Certificates for insurance purpose	..	12
Total	..	466

TEACHING

Instructions in Infectious Diseases were given to 337 under-graduates preparing for the M.B.B.S., L.C.P.S., and Ayurved Examinations and to 19 Medical Practitioners and Post Graduates preparing for the examination of Diploma in Child Health and Pediatrics.

24 Probationer Nurses were directed during the course of the year by the Dean, K. E. M. Hospital to receive training in Infectious Diseases.

41 Nurses from J. J. and G. T. Hospitals were directed for instruction in Nursing Management of Infectious Diseases and working of Infectious Diseases Hospital.

NURSES WELFARE FUND.

The Nurses Welfare Fund hasbeen inaugurated last year for promoting the welfare of the nursing staff We thank all the donors who have contributed to this fund.

MEDICAL LIBRARY

This Hospital has a Medical Library having 394 Medical books; and 10 Journals periodicals are being subscribed for enabling the Medical staff at this Hospital to be conversant with day to day progress in the field of Medical Science in different parts of the world. During the year under report 6 new books only were purchased.

SCIENTIFIC STUDIES AND PUBLICATIONS

Name of the article.	Contributed	Name of the Journal in which it is published.
Cerebro-spinal fever in Bombay ..	Dr. S. G. Vengsarker, M.D., F.C.P.S.	Indian Journal of Medical Sciences, November 1947.
Treatment of Bacillary Dysentery with with special reference to chemotherapy.	Do.	Paper read at the Indian Medical Congress held in Bombay in December 1947.

CO-OPERATIVE CREDIT SOCIETY LTD.

The City Fever Hospitals co-operative Credit Society Ltd., for the staff of this Hospital continued to be in 'A' class in the classification of the Registrar of Co-operative Credit Societies. The total number of members on the roll at the end of June 1947 was 121 against 106 on the corresponding date of the previous year. The share capital of the Society increased from Rs. 6,784-4-0 to Rs. 7,697-8-0. The amount of loans granted was Rs. 9,170-4-0 and that refunded was Rs. 8,600-4-0. The deposit of Rs. 900 received from the Municipality continued to be with the Society during the year.

The Society held its last annual general meeting on 13th September 1947 and declared a dividend. Rs. 2½ per cent. for the year ended on 30th June 1947. The net profit during the year amounted to Rs. 574-9-6.

POOR BOX CHARITY FUND.

The Poor Box Charity Fund received steady support from the public as well as from the patients of this Hospital. Besides cash, the following articles etc., were donated to the Hospital for the use of patients to whom our thanks are due :—

Name of the article.	Donated by
(1) Medicines	.. Mr. Noor Sherif.
(2) Medicines	.. Mr. Noor Sherif.
(3) Medicines	.. Mr. J. J. Newland.
(4) Two Steel Cupboards costing Rs. 350.	.. Mr. Munilal Ramlal Suri.
(5) One Steel Trunk	.. Mr. A. M. Dedia.
(6) Miscellaneous articles like glass, etc.	.. Mr. Narendra G. Babrekar.

STATEMENT OF ACCOUNTS.

Receipts.	Rs. a. p.	Expenditure.	Rs. a. p.
Balance on 1-1-1947 ..	7223 9 9	News papers for patients ..	215 14 0
Collection from boxes ..	1,415 10 0	Distribution of sweets etc., during Divali, X'mas, etc., Festivals.	563 5 0
Donations ..	542 4 0	Expenditure for poor patients on costly drugs, Blood plasama, etc.	226 6 6
Moiety of fees received, for issue of Medical certificates.	200 0 0	Transfer to Nurses' Welfare Fund. ..	363 6 0
Other Receipts ..	0 15 0	Balance on 31-12-1947 ..	8,013 7 3
Total ..	9,382 6 9	Total ..	9,382 6 9

Donations to the extent of Rs. 542-4-0 from 22 persons were received during the year.

SMALL POX

Small pox is an endemic disease in Bombay with a seasonal rise during the period from November to March and a tendency to break out in epidemic form at about every two years' interval. Patients suffering from this dangerous disease were admitted throughout the year. The total number of patients admitted during the year was 65 only which is the lowest during the last sixteen years.

The number of admissions was high in August, November and December.

It has been noticed that as a result of immediate prophylactic immunisation of the staff and attendants not only the staff of this Hospital but even the attendants allowed to stay after vaccination or revaccination and attend on small pox cases did not contract the disease though they were in constant attendance on patients in all the stages of the disease for weeks. From the Table No. V it will be observed that the incidence of small pox in the age group of 1 to 6 years was comparatively much less in the vaccinated group as compared with that amongst the unvaccinated whereas the incidence was much higher above this age group period on both sides. This suggests that vaccination in infancy has little effect in protecting the people in the adult age against small pox and that it is necessary to get re-vaccinated every 6 or 7 years, *i.e.* at the school-going and school-leaving period in case of children, as well as, when the disease prevails in an epidemic form.

All the cases are classified in four types as shown below :—

TABLE No. VI.

Classification.	Admissions.	Deaths.	recovered.	Mortality per cent.
(1) Haemorrhagic ..	4	4	..	100%
(2) Confluent ..	13	11	2	84.6%
(3) Semi Confluent ..	33	2	31	6.0%
(4) Discrete ..	15	..	15	.0%
Total ..	65	17	48	26.1%

It will be seen that the mortality was highest in the Haemorrhagic type. The next serious type was the confluent variety and in this variety those cases were serious and fatal in which the rash was flat and suppressed. The discrete type was the midlest variety of the disease. It was more commonly found in persons who were previously successfully vaccinated.

There were 65 cases admitted into the Hospital and the total number of deaths was 17 giving a mortality rate of 26.1 per cent.. Out of the 17 deaths, 5 deaths occurred within 48 hours of their admission in a very late stage of the disease or in the moribund condition. Thus, excluding these cases the mortality rate of the disease comes to 18.6 percent.

TABLE No. VII.

Year.	Admission.	Deaths.	Recovered.	Mortality per cent.	Mortality per cent. after excluding moribund cases which died in 48 hours.
1938	1671	323	1348	17.0%	..
1939	210	39	171	18.5%	..
1940	1172	232	940	19.7%	..
1941	1411	322	1089	22.8%	21.8%
1942	1182	225	957	19.0%	17.0%
1943	1080	951	829	32.2%	20.7%
1944	3233	896	2337	27.7%	26.3%
1945	568	153	415	26.9%	22.2%
1946	2336	757	1579	32.41%	24.8%
1947	65	17	48	26.1%	18.6%

DIPHTHERIA

This disease is endemic in Bombay. 369 cases were admitted into this Hospital during the year.

The admissions were heavy in October, November and December. Out of 369 cases 308 recovered by treatment and 61 cases proved fatal, giving a mortality rate of 16.5 per cent. Out of the 61 deaths 49 cases were brought in a moribund condition and in a very late stage of the disease associated with severe toxaemia or complication such as cardiac failure or Pneumonia and died within 48 hours of their admission. Excluding these cases, therefore, the mortality rate comes to 3.2 per cent. only.

TABLE No. VIII.

Year.	Admissions.	Deaths.	Recovered.	Mortality per cent.	Mortality per cent. excluding moribund cases.
1938	205	53	152	25.0	Figures not available
1939	191	54	137	17.0	Do.
1940	221	69	152	31.0	16.0
1941	251	63	188	25.1	8.7
1942	272	44	234	15.7	7.8
1943	334	51	283	15.2	8.1
1944	400	70	330	17.5	8.3
1945	670	97	573	14.4	2.3
1946	442	86	356	19.45	4.1
1947	369	61	308	16.5	3·2

It will be seen from the Table No. IX (*a*) that the cases came from all parts of the City with the highest incidence in Girgaum and Parel locality.

The highest incidence of the disease was found in the age groups between 2 and 5 years.

TABLE No. X **(Incidence by age)**

Year.	0-1.		2 to 5		6 to 10		11 and onwards.		Total.	
	*C	*D	C	D	C	D	C	D	C	D
Male ..	29	14	78	16	36	5	27	1	170	36
Female ..	12	8	63	12	36	5	27	0	138	25
Total ..	41	22	141	28	72	10	54	1	308	61

*C-Cured. D-Died

The youngest patient admitted was a male child of 6 days old and the oldest patient was a male, 65 years old.

TABLE No. XI **(Incidence by caste).**

	Hindus.	Muslims.	Christian.	Parsee.	Jew and Anglo Indian.	Total
Figures of people as per Census of 1941.	1061956	251318	78149	59813	19187	..
Cured ..	165	40	55	33	18	308
Died ..	42	7	7	3	2	61
Total ..	207	47	62	33	20	369

TABLE No. XII.

Type of cases.	Admissions.	Deaths.	Mortality per cent.	Mortality per cent. excluding moribund cases.
(1) Faucial Type ..	280	26	9.3	1.07
(2) Faucial and Laryngeal Type ..	40	20	50.0	15.0
(3) Faucial and Nasal type ..	4	1	25.0	..
(4) Laryngeal type ..	28	13	46.4	3.4
(5) Nasal type ..	14	..	..	..
(6) Vaginal type ..	2	..	..	..
(7) Haemorrhagic ..	1	1	100.	..

ENTERIC FEVERS.

Enteric Fevers have been endemic in Bombay for the past several years. 1464 patients were admitted into this Hospital during the year as against 790 cases admitted last year.

The incidence of the disease was high in the months of August, September, October and November 1947. Apart from clinical features, diagnosis was confirmed by laboratory tests *i.e.* by blood counts, widal reaction urine examinations, blood cultures, etc. Widal test was found positive for B. Typhosis in dilution of more than 1 : 125 with "o" suspensions in 975 cases, para "A" in 25 cases and para "B" in 25 cases.

History of previous T.A.B. inoculation was available in 8 cases. The onset of disease was seen within 15 days of inoculation in 1 case only and the same was discharged cured. There were 82 cases with meningeal symptoms. 4 cases had relapse during the course of the disease. Intestinal Haemorrhage as a complication occurred in 33 cases out of which 11 proved fatal. Signs of intestinal perforation were detected in 26 cases. 216 cases were admitted with severe toxaemia out of which 111 cases recovered and 105 cases proved fatal. 212 cases had failure of peripheral circulation out of which 8 cases recovered and 204 cases proved fatal. 220 cases were admitted with Broncho Pneumonia as a complication, out of which 114 cases proved fatal. 26 cases developed parotitis and all recovered. Out of 1464 cases, 1213 cases recovered under treatment and 251 cases proved fatal giving a total mortality rate of 17.1 per cent. Out of these 48 cases were admitted in a very late stage of disease in moribund condition and died within 48 hours of their admission into this Hospital. Excluding these moribund cases the mortality rate amongst the treated cases came to 13.8 per cent.

High caloric diet was given to 198 cases out of which 16 expired. Out of these 16 deaths, 13 were due to peripheral failure of circulation and 3 due to haemorrhage per rectum. In all the remaining 182 cases it was found that due to high-caloric-diet therapy there was prompt reduction of toxaemia and temperature, improvement in general condition within 24 to 48 hours and reduction in the incidence of complications occurring in the course of the disease.

51 serious and hyper-toxic cases were treated with the injection of case in-hydrolysate (Amino acid) in addition to routine treatment. Inspite of very bad prognosis in these cases only 11 deaths occurred : 8 due to failure of peripheral circulation, 1 due to haemorrhage and 2 due to perforation. This therapy was found to be beneficial in reducing the toxaemia and fever which did not yield to other methods of routine therapy followed for the same.

Blood-plasma transfusion was given in 22 cases which included 17 cases with toxaemia, delirium and continuous pyrexia and 5 cases associated with dehydration and diarrhea. All the cases responded to treatment and discharged cured.

Blood transfusion was given in 28 cases out of which 18 proved fatal. Out of the 28 cases 12 had haemorrhage, 13 diarrhoea and dehydration and the remaining 3 had bed-sores which were not healing under treatment.

TABLE No. XIII.

Year.	Admission.	Deaths.	Recovered.	Mortality rate percentage.	Mortality rate after excluding moribund cases...
1942 ..	595	104	491	17.4	15.8
1943 ...	715	189	526	26;4	23.5
1944 ..	624	149	475	23.8	22.2
1945 ..	1186	229	957	19.3	17.6
1946 ..	790	149	641	18.9	13.9
1947 ..	1464	251	1,213	17.1	13.8

It will be seen from the Table No. IX (*b*) that more cases came from Girgaum, Byculla and Parel localities.

INCIDENCE BY AGE TABLE (XIV)

Years.	0-10		11-20		21-30		31-40		41 and above.		Total.	
	*C.	D.	C.	D.	C.	D.	C.	D.	C.	D.	C.	D.
Male ..	40	6	244	58	376	57	201	46	68	22	929	189
Female ..	21	4	84	14	99	27	62	10	18	7	284	42
Total ..	61	10	328	72	475	84	263	56	86	29	1213	251

* C—Cured. D—Died.

The highest incidence of this disease was found in the age group between 21 and 30 years. The youngest patient admitted was a male child of 11 months and the oldest patient was a male adult of 71 years old. Both were discharged cured.

(TABLE XV). INCIDENCE BY CASTE

Figures of population as per Census of 1941.	Hindus.	Muslims.	Christians.	Parsees, Jews and Anglo-Indians.	Total.
	1061959	251318	78149	79000	
Cured ..	845	89	264	15	1213
Died ..	182	22	46	1	251
Total ..	1,027	111	310	16	1464

CEREBRO SPINAL FEVER.

The disease is sporadic in Bombay. 51 cases were admitted during the year under report. The incidence was high in the months of September and December. Out of the 51 cases, 31 recovered under treatment and 20 proved fatal giving a mortality rate of 39.2 per cent. Out of these 12 cases were admitted in the very late stage of the disease in a moribund condition and died within 48 hours of their admission into this hospital Excluding these latter cases the mortality rate of treated cases came to 15.6 per cent.

The diagnosis of these cases was established, by bedside clinical examination, by the examination of the cerebrospinal-fluid for cell count, biochemical changes and microorganisms from smears and cultural growth.

The C. S. Fluid was found hazy in 16 cases, turbid in 27, purulent in 7 and clear in 1. Meningococci were found in the smears of 23 cases and in 18 cases they were predominantly extra cellular.

The cases were treated with sulfadiazine and penicillin. A few of them that were resistant to one kind of therapy, generally responded well to the other. In a very few acute and severe cases both the drugs were administered with beneficial results. Economically and from the point of mode and method of administration as well as, convenience to patients and medical practitioner, sulfadiazine therapy proved preferable to penicillin in the form at present available in the market.

TABLE XVI.

Year.	Admissions.	Deaths.	Recovered.	Mortality rate per cent.	Mortality per cent excluding moribund cases.
1942	55	13	42	23.5	15.8
1943	213	33	180	26.4	17.2
1944	148	55	93	37.1	21.1
1945	270	85	185	31.4	15.5
1946	116	40	76	34.4	11.2
1947	51	20	31	39.2	15.6

It will be seen from Table No. IX (c) that high incidence was found in Dadar and Bhendi Bazar locality, while that in Girgaum came next.

(XVII). INCIDENCE BY AGE

Year. ..	0—10		11—20		21—30		31—40		41 (& above).		Total	
	Cured.	Died.	Cured.	Died.	Cured.	Died.	Cured.	Died.	Cured.	Died.	C.	D.
Male ..	5	3	9	1	6	8	2	1	0	1	22	14
Female ..	4	2	4	1	0	2	1	1	0	0	9	6
Total..	9	5	13	2	6	10	3	2	0	1	31	20

Highest incidence was found in the age groups between 10 & 30 years. The youngest patient admitted was a female child of 3½ months and the oldest patient was male adult 50 years old Both the patients died.

(XVIII.) INCIDENCE BY CASTE

Figures of population as per Census of 1941 ..	Hindus.	Muslims.	Christians.	Others.	Total.
	10,61,959	2,51,318	78,149	79,000	
Cured ..	25	3	3	0	31
Died ..	16	2	1	1	21
Total ..	41	5	4	1	52

CHOLERA.

315 cases were admitted during the year out of which 81 cases expired giving a mortality rate of 25.7 per cent.. 67 cases were admitted in a moribund condition and proved fatal within 48 hours of their admission into this Hospital. Excluding the latter cases, the mortality rate came to 4.4 per cent.

Out of the total number of 315 cases which were clinically as well as bacteriologically positive, 113 cases were reported as epidemiologically postitive and the remaining 202 cases as of Gastro-Enteritis. All the epidemiologically positive cholera cases were imported ones. Out of these 113 cases 28 expired giving the mortality rate of 24.7 per cent. and excluding the moribund cases that expired within 48 hours of their admission the mortality came to 4.4 per cent.

TABLE NO. XIX.

Year.	Admissions.	Deaths.	Recovered.	Mortality per cent.	Mortality percent excluding moribund cases.
1943	25	9	16	36.0	..
1944	1	..	1	..	..
1945	86	34	52	39.5	12.6
1946	2	2	..	100.0	..
1947	113	28	85	24.7	4.4

Out of the total number of 315 cases, 201 cases were treated with sulfaguanidine tablets orally in addition to routine symptomatic treatment. Out of these 201 cases, 51 cases proved fatal giving a mortality rate as 25.3 per cent. Out of 51 deaths, 42 cases were admitted in a moribund condition and proved fatal within 48 hours of admission giving a mortality rate as 4.5 per cent. Whereas out of the remaining 114 cases which were treated only with routine treatment without sulfaguanidine, 30 cases proved fatal giving a mortality rate of 26.8 per cent. Out of the 30 cases, 25 cases were admitted in a moribund condition and proved fatal within 48 hours of admission giving a mortality rate as 4.3 per cent. This showed that chemotherapy with sulfaguanidine does not show marked beneficial response as regards improvement in general condition, or mortality rate.

PLAGUE

11 cases were admitted during the year. They were all imported cases. Out of 11 cases admitted 4 cases proved fatal giving the total mortality rate of 36.3 per cent. All these were of acute Bubonic type. 2 cases were admitted in a moribund condition and proved fatal within 48 hours of their admission into this Hospital giving a mortality rate of 18.1 per cent.

MEASLES

168 cases were admitted during the year. The incidence of this disease was high in the months of November and December. Majority of the cases were from Children's homes, Convents, etc. There were no fatal cases in this disease.

MUMPS

183 cases were admitted during this year. The incidence of this disease was high in the months of July, August and October 1947. Majority of the cases were from the Children's Homes, Convents, City Police Forces, etc. Four cases had developed orchitis as complication. All were discharged cured.

CHICKEN POX

583 cases were admitted during the year under report. The incidence of admission of this diseases was high in the months of February, March and April 1947. Some of them were those that were admitted as observation small-pox and others from the essential services or Convents, Reformatories or Public Institutions, etc. All were discharged cured.

TYPHUS

2 cases were admitted during this year with the history of continuous fever associated with headache-rash on the body and general weakness. Diagnosis was confirmed by repeated examination of blood for Weil, Felix reaction, which showed rising titre during the course of the disease. One of the two cases died

SCARLET FEVER

One case of Scarlet Fever was admitted in the month of January from Fort area. It was discharged cured.

BACTERIOLOGICAL AND PATHOLOGICAL EXAMINATION

The following table shows the number of laboratory examinations done at the City Fever Hospitals during the year under report:—

MATERIAL EXAMINED.

Cytological Examination of Blood—		
Examination of Blood-films for parasites	..	50
Complete blood count Total While Blood cell and differential count. Total Red Blood cell and Haemoglobin percentage Plat-let count.	This work was done by the Medical Assistants incharge of cases under the supervision of the Hon. Pathologist	4,100
Serological Examination of Blood—		
Widal Reaction	..	2,298
Kahn Test	..	50
Bio-Chemical Examination of C. S. Fluid—		
Chlorides in C. S. Fluid	..	466
Bateriological Examination—		
C. S. Fluid	..	25
Spulum	..	203
Throat-Swa	..	828
Nasal-Saw	..	65
Cultural Examination—		
Gland Puncture	..	15
C. S. Fluid	..	25
Blood		10
Throat-Swab	..	300
Nasal-Swab	..	50
Stools	..	5
Routine Laboratory Examination—		
Urine	..	1,168
Stool	..	1,000
C. S. Fluid	..	500
Grand Total	..	11,158

CHART SHOWING THE ANNUAL ADMISSIONS OF THE CASES OF SMALL-POX, ENTERIC, DIPHTHERIA, C.S.FEVER, MEASLES, CHOLERA, & PLAGUE DURING THE PERIOD 1906 - 1947

G. P.Z. R. POONA '48

In addition to the routine laboratory investigations mentioned above, injectable materials such as Normal Saline, Hypertonic salines and Sterile distilled water for dissolving Penicillin, Glucose and other injctabledrugs were prepared and supplied to the wards for the use of patients throughout the year. During the months of July to October as much as 8100 pints of salines was prepared in the Laboratory and in addition to this some quantity of such fluids was obtained from the Haffkine Institute as unusually heavy admissions of cholera and diarrhoea vomitting cases required daily huge quantity of injectable fluids such as Hypertonic Saline, Normal saline etc., varying from 75 to 100 gallons.

The inadequate equipment and the staff had to overwork for management of the same for about two months.

The Laboratory is being gradually overhauled. It is absolutely necessary to expand its activities so that it will be possible to undertake at least the routine laboratory investigations. Attempts were being made to buy the necessary apparatus and chemicals but due to difficulty it was difficult to procure the necessary materials on account of the present unsettled conditions and import difficulties.

S. G. VENGSARKAR,
M.D., F.C.P.S.,
Medical Superintendent,

City Fever Hospital.
Arthur Road, Bombay 11.

TABLE No. I.

Table showing the Admissions during the year 1947.

Month.	Small-pox.	Chicken-pox.	Measles.	Mumps	Diphtheria.	C. S. Fever.	Scarlet Fever.	Erysipelas.	Influenza.	Encephalitis.	Whooping Cough.	Enteric Fever.	B. Dysentery.	A. Dysentery.	Cholera.	Plague.	Typhus Fever.	Other diseases (including observation cases.	Total.	Deaths.	Discharges.	Daily average No. of patients	Remarks.
January ...	5	42	3	2	31	4	1	...	1	...	...	41	2	5	...	5	...	119	261	21	240	80	...
February ...	2	109	...	1	37	4	...	1	...	...	...	55	2	...	...	1	...	85	297	23	274	118	...
March ...	3	146	2	10	23	6	...	...	...	...	...	51	5	3	...	1	1	164	415	19	396	135	...
April ...	4	117	3	14	21	3	...	...	...	...	...	44	6	3	...	4	1	140	360	28	332	115	...
May ...	8	44	6	19	29	4	...	...	...	1	5	83	2	...	1	...	...	187	389	39	350	111	...
June ...	6	18	10	20	21	6	...	...	...	...	...	87	19	...	1	...	...	180	368	45	323	111	...
July ...	8	6	30	22	33	...	...	...	...	...	...	83	21	4	75	...	...	407	689	71	618	162	...
August ...	7	5	5	26	26	3	...	...	...	...	...	175	19	1	28	...	...	1,019	1,314	168	1,146	237	...
September ...	5	10	18	14	26	7	...	...	...	...	1	192	12	10	5	...	...	660	960	101	859	216	...
October ...	3	15	26	27	40	2	...	...	...	...	...	248	24	5	3	...	...	406	799	72	727	193	...
November ...	7	24	32	19	40	3	...	1	...	...	1	243	9	6	...		...	353	738	86	652	243	...
December	7	47	33	9	42	9	...	...	...	...	...	162	11	4	...	...	...	320	644	68	576	211	...
Total ...	65	583	168	183	369	51	1	2	1	1	7	1,464	132	41	113	11	2	4,040	7,234	741	6,493	161	

TABLE No. II.

Particulars.	Small-pox.	Chicken-pox.	Measles.	Mumps.	Diph-theria.	Cholera.	C. S. Fever.	Ery-sipelas.	Incepha-litis.	Influenza.	B. Dy-sentery.	A. Dy-sentery.	Whooping Cough.	Enteric Fevers.	Scarlet Fever.	Plague.	Typhus fever.	Other diseases (including observation cases.)	Total
Patients remaining on 31st December 1946(I)	1	3	...	3	17	...	2	...	...	...	1	...	...	24	...	...	...	25	76
Patients admitted from 1st January 1947 to 31st December 1947 (II) ...	65	583	168	183	369	113	51	2	1	1	132	41	7	1464	1	11	2	4,040	7,234
Total treated(I) & (II)...	66	586	168	186	386	113	53	2	1	1	133	41	7	1488	1	11	2	4,065	7,310
Discharged ...	45	570	157	183	310	85	30	2	...	1	96	40	7	1151	1	7	1	3,683	6,369
Died ...	17	...	...	...	61	28	20	...	1	...	37	1	...	251	...	4	1	320	741
Case Mortality rate % ...	26.1	...	...	...	16.5	24.7	39.2	...	100	...	28.03	2.4	...	17.1	...	36.3	50	7.9	10.24
Patients remaining on 31st December 1947	4	16	11	3	15	...	3	...	...	...	...	...	...	86	...	...	...	62	200
Maximum No. of beds occupied on one day.									286 on 15th August 1947.										

TABLE No. V

Years.	Vaccinated Admissions.				Unvaccinated Admissions.			
	Total.	Cured.	Deaths.	Mortality %	Total.	Cured.	Deaths.	Mortality %
Under 1 year ...	2	1	1	50%	3	3	...	...
1 year. ...	...	...	...	...	1	...	1	100%
2 years ...	...	...	...	...	3	1	2	66.6%
3 years. ...	...	...	...	...	...	...	...	...
4 years ...	...	...	...	...	...	...	...	...
5 years ...	...	...	...	...	3	1	2	66.6%
6-10 years ...	1	1	...	...	6	5	1	16.6%
11-15 years ...	1	1	...	...	4	4	...	...
16-20 years ...	3	3	...	...	11	10	1	9.09%
21-25 years ...	5	3	2	40%	10	5	5	50.0%
26-30 years ...	2	2	...	...	4	4	...	...
31-35 years ...	...	...	...	...	3	2	1	30.3%
36-40 years ...	1	...	1	100%	...	...	...	...
41-50 years ...	...	...	...	...	1	1	...	...
51-60 years ...	1	1	...	...	...	...	...	...
61 & above ...	...	...	...	...	...	...	...	...
All Ages ...	16	13	4	50%	49	36	13	26.5%

Table No. IX.

Statement showing the Incidence of Diphtheria, Enteric Fever and C. S. Fever by locality.

Disease.		Fort.	Kalbadevi.	Bhendi Bazaar.	Girgaon.	Byculla.	Parel.	Dadar.	Mazgaon.	Matunga.	Mahim.	Outside.	Total.
Diphtheria IX (*a*)	Cured ..	8	16	40	49	40	51	32	8	9	30	25	308
	Died ..	1	3	5	13	7	10	6	2	6	3	.. 5	61
	Total ..	9	19	45	62	47	61	38	10	15	33	30	369
Enteric Fever IX (*b*)	Cured ..	26	58	80	241	173	187	135	80	40	75	88	1,213
	Died ..	16	18	17	64	35	32	12	19	5	12	21	251
	Total ..	72	76	97	305	208	219	147	99	45	87	109	1,464
C. S. Fever IX (*c*)	Cured ..	3	1	5	2	3	5	7	1	..	..	4	31
	Died ..	..	1	5	6	1	..	3	..	..	..	4	20
	Total ..	3	2	10	8	4	5	10	1	..	..	8	51

MARATHA TUBERCULOSIS HOSPITAL.

ANNUAL REPORT 1947.

Dr. Kanga was in charge of the hospital during the year upto 28-12-1947. I took over charge of the same from him on 29-12-1947.

Accommodation.—There are five wards, each accommodating sixteen patients. Owing to heavy demand from the public for admission, the accommodation had to be increased often time by putting extra beds in some of the wards and some cases had to remain on waiting list for some time before they were admitted to the hospital. In January and February 1947 one ward was vacated for painting and the number of admissions was less during those months.

The total number of admissions during the year was 924 as against 933 in 1946. The daily average number of patients was 78.2 as against 78.9 in the last year.

Expenditure.—Total Expenditure during the year was Rs. 1,26,256-12-0 as compared with Rs. 1,14,009-8-6 in the year 1946. The cost per patient per day comes to Rs. 4-6-9 during the year under review as against Rs. 3-15-4 in the year 1945.

Out of 924 patients admitted all were suffering from Tuberculosis. The particulars are as follows :—

Particulars.	Numbers.	
Patients remained on the 1st January 1947	58	982
Patients admitted during the year	924	
Patients discharged	301	982
Patients died	599	
Patients remaining on 1st January 1948	82	
Mortality percent.	60.9%	

Classification of patients admitted according to caste and age.

Hindus.		Mahomedans.		Christians.		Anglo-Indians.		Others.		Total.	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Femle.
424	204	100	34	98	49	1	0	5	9	628	296

Distribution of patients admitted according to age :—

Upto the age of ..	10	15	20	25	30	35	40	45	50	Above 50	Total.
	8	21	85	197	170	119	123	68	56	77	924

X-Ray Examinations .. 80 Screenings, 6 Skiagrams } Taken at Tuberculosis clinic at Princess Street.

Collapse (Relaxation) Therapy of Lungs.—Artifical pneumothorax was induced on 43 cases (new) and the total number of refills was 78. Operaive treatment by Phrenic Evulsion was carried out in 11 cases.

Laboratory examinations.—775 specimen of sputum and 105 of urine were examined at the laboratory attached to the hospital during the year.

Out-patient Dispensary.—1,291 cases were treated at the out-door dispensary in the year under review for various diseases as compared with 1,759 in 1946.

Poor Box Charity Fund.—Statement showing the collections made from time to time and the expenditure incurred upto 31-12-1947 is given below :—

Receipts.	Rs.	a.	p.	Expenditure.	Rs.	a.	p.
Balance on 1-1-1947	1,723	14	0	Distribution of Sweet-meat and fruits to patients on Indepe-ndence day (15-8-1947).	100	0	0
Donation from American Womens' club of Bombay..	200	0	0				
Donation from Habib Bank Ltd.	100	0	0				
Collections from the Charity Boxes	95	10	6				
Amount received as fees from the parties for issue of medical certificates (Half amount)	86	8	0	Purchase of revolving table fans for Patients.	498	0	0
Total Rs. ..	2,206	0	6	Balance on 31-12-1947 ..	1,608	0	6
				Total Rs. ..	2,206	0	6

C. S. PATEL,
M.B., L.R.C.P., F.R.C.S., (Eng.)
Hon. Medical Superintendent,
(Tuberculosis)
Maratha Hospital.

MARATHA HOSPITAL,
Connaught Road, Bombay, 27
30th January 1948.

MUNICIPAL LABORATORY

The total number of samples examined during the period under report was 31,651 as compared with 28,674 in the year 1946. Of the above 27,779 samples were examined chemically and 3,872 bacteriologically.

CHEMICAL

Out of 27,779 samples examined chemically, the following were the food-stuffs :—

Nature	Municipal and Statutory.	Private.	Total.
Milk	20,627	1,085	21,712
Ghee	906	145	1,051
Butter	872	39	911
Vegetable Product	689	8	697
Margarine	113	...	113
Tea and Tea-Dust	798	1	799
Coffee	184	5	189
Cocoa	10	...	10
Turmeric	298	...	298
Curds	51	..	51
Asafoetida	4	...	4
Oils.	130	11	141
Other Food-Stuffs } Food-Grains	192	7	199
Other Food-Stuffs } Flours	68	1	69
Other Food-Stuffs } Aerated Waters	75	1	76
Other Food-Stuffs } Miscellaneous	170	73	243
	25,187	1,376	26,563

The results of all the food-stuffs such as milk, ghee, milk products, tea etc., have been shown in the attached statement No. 3.

OTHER FOOD STUFFS

586 samples of other food-stuffs were received as under :—

Nature of the Samples	Total.	Remarks.
Food-Grains ..	199	All samples of food-grains except the following 51 samples were found to be fit for human consumption. (1 Rice, 1 Wheat, 6 Maize, 19 Red-Jwar, 23 Milo Total. 51).
Flours ..	69	Two samples of flours (one wheat flour and one maize flour) were found to be unfit for human consumption.
Aerated Waters ..	76	All samples of Aerated waters except the following 19 samples were found to be fit for human consumption. (4 A. Waters & 15 Syrup. Total 19).
Miscellanous ..	242	All samples of miscellaneous nature except the following 22 samples were found to be fit for human consumption. (1 Peppermint, 1 Biscuits, 2 Honey, 6 Meat, 1 Chocolate, 3 Prepared Tea, 1 Sugarine & 7 Food-stuffs, Total 22).
	586	

WATERS

352 samples of water were examined as mentioned below :—

240	from Public supply.
28	from Wells and
84	from Other Sources.
352	

Four well-waters samples and six samples of water collected from other sources were, on examination, found to be unfit for potable purposes, while the remaining water samples were fit for potable purposes.

URINE

718 samples of Urine were examined chemically, out of which 449 were sent by private individuals and 269 by the Municipal Authorities.

MISCELLANEOUS

146 samples of miscellaneous nature were received as under :—

Nature of samples	Total.	Remarks.
Inks ..	67	
Chemicals ..	64	
Drugs ...	3	
Miscellaneous ...	12	
	146	

BACTERIOLOGICAL

3,872 samples were examined bacteriologically during the period under report, including 765 slides for the detection of Malaria Parasites.

WATERS

13 well water samples and 31 samples of water collected from other sources were, on examination found to be unsatisfactory for potable purposes. The remaining samples of water were found to be satisfactary.

392 samples of water were examined as under:—

240	samples from Public Supply,
33	samples from Well Water Supply,
119	samples from Other Sources.
392	

DISINFECTANTS

22 samples of disinfectants were examined to determine the Rideal Walker Co-efficient.

SAMPLES FOR DIAGNOSTIC PURPOSES

Nature of the samples.	Total.	Specific Organism.	
		Positive.	Negative.
Blood for Malaria ..	765	159	606
Blood for Differential Counts ..	15	..	15
Sputum for T. B. ..	1,244	320	924
Swabs for Diphtheria ..	584	4	580
Smear for Gonococci ..	36	15	21
Stool for Dysentery ..	9	3	6
Stool for Ova ..	106	85	21
Stool for General Examination. ..	2	...	2
	2,761	586	2,175

MISCELLANEOUS

258 samples of miscellaneous nature were examined as under:—

Nature of the Samples.	Total.		Remarks.
Vaccine ...	110		
Aerated waters ..	16	11	unfit for human consumption.
Pine apple ..	4	1	unfit for human consumption.
Syrup ..	2		
Condenced Milk ..	1		Unfit for human consumption.
Mesur ..	1		
Pedha ..	1		
Barfi ..	2	1	unfit for human consumption.
Narial Pak ..	1		
Gulab Jambu ..	1		
Dudhihalwa ..	1		
Ice-Cream ..	2		Unfit for human consumption.
Cheese ..	2		
Bread ..	1		
Milk Powder ..	1		
Chicken ..	2		
Meat ..	6		Unfit for human consumption.
K. Ration ..	1		
Mustard Pickle ..	2		
Herrings ..	1		
Tinned Food-stuffs ..	100	7	Unfit for human consumption.
	258		

The work of collection and examination of water samples from the Bombay Port Trust area is undertaken by this Laboratory. During the period under report 439 samples of water were examined bacteriologically and all of them were, on examination, foud to be satisfactory for potable purposes.

Similarly the Milk samples collected by the staff of the Government Subsidized Milk Scheme and the New Milk Distribution Scheme were also examined in this Laboratory for the detection of adulteration During the period, 6217 and 8654 sample of milk respectively from each scheme were examined. Out of the 6217 samples from the first Scheme 721 samples were, on examination, found to be non-genuine, thus giving a percentage of 11.5.

J. H. DOCTOR,
M.B., B.S., B.Hy.,
Municipal Analyst

STATEMENT No. 1.

Statement of samples examined chemically during the year ending 31st December 1947.

Received from.	Waters.			Food-Stuffs.												Other Food-Stuffs.				Drugs.	Inks.	Chemicals.	Urine.	Miscellaneous.	Total.
	Bombay.	Well.	Other.	Milk.	Ghee.	Butter.	Vegetable Product.	Margarine.	Tea and Tea-Dust.	Coffee.	Turmeric.	Curds.	Oils.	Cocoa.	Asafoetida.	Food Grains.	Flours.	Aerated Waters.	Miscellaneous.						
The Municipal Commissioner ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	67	...	...	...	67
The Hydraulic Engineer	168	2	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	182
The Executive Health Officer ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	31	3	1	10	...	...	...	...	...	45
The Milk Inspectors ...	...	...	...	14,281	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	14,284
The Inspectors from A & B Wards ...	...	...	...	771	176	214	186	...	255	61	125	1	35	7	...	13	20	14	25	...	...	...	...	...	1,903
Do. C & D Wards ...	...	2	2	901	398	254	172	2	214	21	24	40	21	3	4	...	3	18	91	...	...	...	...	...	2,170
Do. E Ward ...	...	...	2	616	102	174	122	13	82	26	100	2	19	...	...	...	...	23	3	...	...	...	...	...	1,284
Do. F & G Wards ...	...	...	1	910	196	218	209	98	244	74	49	5	31	...	...	7	7	19	6	...	...	...	...	...	2,074
The Special Officer (Milk) ...	...	...	...	70	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	70
The Dean, King Edward Memorial Hospital.	...	...	...	724	...	12	...	...	...	...	...	...	10	...	...	...	...	...	1	...	...	...	...	...	747
The Superintendent of Gardens ...	...	...	...	63	32	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	...	...	98
The Assistant Health Officer Malaria ...	...	16	60	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	76
The Superintendent of Licences Shops and Establishment ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	57	...	3	63
The Election & Town Duty Officer ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	1	...	...	3
The Controller of Stores	...	...	...	...	...	...	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	3	14
The Nair Hospital ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	2
The Other Municipal Authorities ...	72	...	...	2,291	2	...	1	...	3	2	...	...	1	...	...	141	34	...	32	...	...	2	269	...	2,849
Private ...	...	8	10	1,085	145	39	7	...	1	5	...	...	11	...	...	7	1	1	73	...	...	...	449	6	1,848
Total ...	240	28	84	21,712	1,051	911	697	113	799	189	298	51	141	10	4	199	69	76	243	3	67	64	718	12	27,779

J. H. DOCTOR
Municipal Analyst.

STATEMENT No. 2.

Statement of samples examined bacteriologically during the year ending 31st December 1947.

Received from.	Waters.			Samples for Diagnostic purposes.								Vaccine.	Disinfectants.	Aerated Water.	Condensed Milk.	Messoor.	Pedha.	Barfi.	Narial Pak.	Gulab Janbu	Dudhi Halwa.	Ice-Cream.	Cheese.	Bread.	Milk Powder.	Chicken.	Meat.	K Ration.	Mustard Pickle.	Pine Apple.	Syrup.	Herrings.	Tind food stuff.	Total.
	Bombay.	Well.	Other.	Sputum for T.B.	Blood for Malaria.	Blood for Differential Counts.	Swabs for Diptheria.	Smear for Gonococci.	Stool for Dissentry.	Stool for Ova.	Stool for General Exma.																							
The Hydraulic Engineer ...	168	4	81	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	253
The Inspectors form—																																	
A and B Wards ...	...	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	11
C and D Wards ...	...	8	16	...	...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	12	12	47
F and G Wards ...	...	...	6	...	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
The Asstt. Health Officer for Malaria ...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
The Supdt. of Vaccination ...	...	...	...	...	...	...	...	...	...	...	...	110	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	110
The Controller of Stores	...	...	...	...	...	...	...	...	...	...	...	...	13	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13
The Executive Heath Officer.	...	...	2	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3
M. A. (B. P. T.) ...	...	...	439	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	439
Municipal Authorities ...	72	2	9	984	765	10	584	...	6	105	1	...	...	3	1	1	1	2	1	1	1	2	...	1	1	1	...	...	...	4	...	...	1	2,559
Private Parties	...	14	2	260	...	5	...	36	3	1	1	...	9	...	...	...	...	...	...	...	...	...	2	...	...	...	6	1	2	1	...	1	81	425
Total ...	240	33	558	1244	765	15	584	36	9	106	2	110	22	16	1	1	1	2	1	1	1	2	2	1	1	1	6	1	2	5	2	1	100	3,872

STATEMENT No. 3.

Statement of Samples of food-stuffs examined under Bombay Prevention of Adulteration Act of 1925 with their results during year ending 31st December 1947.

Received from.	Milk.			Ghee.			Butter.			Vegetable Product.			Margarine.		Tea and Tea-Dust.		Coffee.		Cocoa.		Turmeric.		Curds.		Oils		Asapoetida	
	Total.	Not Genuine	Percentage of adulteration.	Total	Not Genuine.	Percentage of adulteration.	Total.	Not Genuine.	Percentage of adulteration.	Total.	Not Genuine.	Percentage of adulteration.	Total.	Not Genuine.	Total.	Not Genuine.	Total.	Not Genuine.	Total.	Not. Genuine.	Total	Presence of Lead detected.	Total.	Deficiency in Fat.	Total.	Not. Genuine.	Total.	Not Genuine.
The Milk Inspectors ...	14,281	2,354	16.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	3	...	..	..	...	...
The Inspectors from A & B Wards	771	84	10.9	176	37	21.0	214	43	20.1	186	1	0.5	...	...	255	1	61	16	7	...	125	...	1	...	35	4	...	...
Do. C & D do.	901	101	11.2	398	73	18.3	254	33	13.0	172	...	...	2	...	214	...	21	5	3	...	24	...	40	5	21	6	4	3
Do. E Ward	616	154	25.	102	12	11.8	174	15	8.6	122	2	1 6	13	...	82	...	26	4	...	...	100	...	2	...	19	3	...	...
Do. F & G Wards	910	194	21.3	196	13	6.6	218	33	15.1	209	...	...	98	...	244	...	74	29	...	...	49	...	5	3	31	1	...	...
The Special Officer (Milk) ...	70	21	30.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
The Dean, King Edward Memorial Hospital.	724	32	4.4	...	...	...	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10	3	...	...
The Superintendent of Gardens	63	18	28.6	32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...
The Controller of Stores ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11	...	...	...
The Other Municipal Authorities	2,291	371	16.2	2	1	50.0	...	...	...	1	...	...	...	...	3	...	2	1	...	...	...	...	...	...	1	...	...	...
Private Parties	1,085	160	14.7	145	62	42.8	39	21	53.8	7	1	14.3	...	...	1	1	5	...	...	...	...	...	...	...	11	1	...	...
Grand Total ...	21,712	3,489	16.1	1,051	198	18.8	911	145	15.9	697	4	1.6	113	...	799	2	189	55	10	...	298	...	51	8	141	18	4	3

STATEMENT No. 4.

Statement of Results of Bombay waters examined chemically during the year ending 31st December 1947.

Parts per 100,000.

Source.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
Tansa Water from Tansa Lake:—																								
Total Solids	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Chlorine	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Free Ammonia	*Nil.*	*Nil.*	0.001	*Nil.*	0.001	*Nil.*	0.002	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	0.002	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*
Albuminoid Ammonia	0.006	0.007	0.007	0.006	0.008	0.005	0.014	0.007	0.015	0.012	0.012	0.015	0.013	0.010	0.008	0.004	0.004	0.009	0.008	0.024	0.008	0.008	0.009	0.004
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.035	0.038	0.046	0.038	0.040	0.032	0.056	0.042	0.078	0.072	0.074	0.080	0.065	0.036	0.048	0.028	0.024	0.046	0.040	0.096	0.052	0.048	0.056	0.028
Tansa Water from 48" Tansa Main at Sion.																								
Total Solids	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	12.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Chlorine	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Free Ammonia	*Nil*	0.001	0.003	0.004	0.003	0.016	0.008	*Nil.*	0.004	0.003	0.001	0.021	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*
Albuminoid Ammonia	0.003	0.004	0.007	0.004	0.005	0.006	0.009	0.006	0.008	0.008	0.007	0.012	0.010	0.006	0.004	0.003	0.004	0.005	0.006	0.013	0.007	0.005	0.007	0.005
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.026	0.038	0.048	0.042	0.036	0.034	0.046	0.036	0.048	0.040	0.038	0.078	0.050	0.036	0.032	0.022	0.026	0.034	0.036	0.056	0.048	0.032	0.036	0.022
Tansa Water from The Inlet at Malabar Hill Reservior:—																								
Total Solids	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Chlorine	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Free Ammonia	*Nil.*	*Nil.*	0.005	0.003	*Nil.*	0.005	*Nil.*	0.001	*Nil.*	0.003	*Nil.*	0.004	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	0.004	*Nil.*	*Nil.*	*Nil.*	*Nil.*
Albuminoid Ammonia.	0.004	0.007	0.012	0.005	0.007	0.006	0.007	0.004	0.007	0.008	0.012	0.008	0.005	0.006	0.003	0.004	0.003	0.005	0.009	0.014	0.013	0.008	0.005	0.004
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.028	0.030	0.040	0.038	0.038	0.036	0.042	0.030	0.034	0.038	0.052	0.048	0.030	0.034	0.024	0.032	0.022	0.028	0.054	0.084	0.065	0.052	0.030	0.026
Tulsi Lake Water:—																								
Total Solids	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Chlorine	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5
Free Ammonia	*Nil.*	0.001	*Nil.*	*Nil*	*Nil.*	*Nil.*	0.001	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	0.009	*Nil.*	*Nil.*	*Nil.*	*Nil.*	0.001	*Nil.*	*Nil.*
Albuminoid Ammonia ...	0.009	0.013	0.009	0.008	0.017	0.010	0.027	0.026	0.028	0.014	0.034	0.023	0.026	0.030	0.016	0.014	0.012	0.024	0.024	0.030	0.022	0.022	0.026	0.013
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.076	0.087	0.056	0.052	0.052	0.048	0.094	0.092	0.098	0.076	0.106	0.096	0.100	0.106	0.080	0.070	0.096	0.098	0.100	0.108	0.098	0.100	0.108	0.078
Tansa water from 57" Tansa Main at Bandra:—																								
Total Solids	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Chlorine	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Free Ammonia	*Nil*	0.001	0.004	*Nil.*	*Nil.*	*Nil.*	0.005	0.003	*Nil.*	0.003	*Nil.*	0.012	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	0.001	*Nil.*	0.001	*Nil.*
Albuminoid Ammonia	0.006	0.007	0.007	0.006	0.007	0.004	0.009	0.004	0.007	0.008	0.012	0.014	0.009	0.006	0.004	0.003	0.005	0.011	0.007	0.016	0.009	0.006	0.008	0.004
Oxygen Absorbed at 80° F. (Tidy's Process)	0.030	0.032	0.036	0.036	0.040	0.038	0.056	0.038	0.034	0.052	0.048	0.084	0.050	0.032	0.026	0.024	0.026	0.068	0.042	0.080	0.054	0.036	0.040	0.024

STATEMENT No. 4 (*Contd.*)

Source.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October		November.		December	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
Vehar Lake Water :—																								
Total Solids	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
Chlorine	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Free Ammonia	*Nil.*	0.001	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	0.003	0.004	*Nil.*	0.003	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*
Albuminoid Ammonia	0.007	0.007	0.005	0.01	0.009	0.014	0.023	0.012	0.026	0.030	0.020	0.032	0.052	0.032	0.018	0.014	0.013	0.022	0.032	0.024	0.020	0.018	0.014	0.012
Oxygen Absorbed at 80°F. (Tidy's Process) .	0.038	0.040	0.038	0.066	0.048	0.048	0.096	0.074	0.092	0.102	0.092	0.106	0.130	0.110	0.088	0.084	0.065	0.074	0.108	0.092	0.088	0.080	0.070	0.060
Tansa Water from the Inlet at Bhandarwada Reservoir :—																								
Total Solids	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Chlorine	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Free Ammonia	*Nil.*	*Nil.*	0.004	0.002	*Nil.*	*Nil.*	0.003	*Nil.*	0.008	0.002	0.003	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	0.002	*Nil.*	*Nil.*	*Nil.*	*Nil.*
Albuminoid Ammonia	0.003	0.007	0.007	0.005	0.006	0.004	0.005	0.003	0.009	0.008	0.009	0.008	0.005	0.004	0.003	0.006	0.003	0.003	0.007	0.016	0.008	0.010	0.005	0.005
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.026	0.022	0.032	0.034	0.036	0.030	0.032	0.024	0.036	0.052	0.054	0.042	0.028	0.024	0.022	0.030	0.024	0.026	0.030	0.064	0.048	0.054	0.028	0.030
Tansa Water from the out let at Gowalia Tank :—																								
Total Solids	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
Chlorine	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Free Ammonia	*Nil.*	*Nil.*	0.004	*Nil.*	0.001	0.001	0.001	0.001	*Nil.*	0.002	*Nil.*	0.004	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*
Albuminoid Ammonia	0.003	0.006	0.005	0.005	0.007	0.004	0.005	0.004	0.004	0.007	0.010	0.003	0.005	0.004	0.003	0.004	0.003	0.005	0.004	0.013	0.010	0.006	0.004	0.004
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.028	0.022	0.030	0.032	0.038	0.032	0.034	0.026	0.037	0.036	0.040	0.044	0.030	0.026	0.024	0.026	0.022	0.024	0.026	0.078	0.052	0.038	0.024	0.026
Tulsi Water from 24" Tulsi Main at Santa Cruz :—																								
Total Solids	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
Chlorine	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.0	1.4	1.4	1.4	1.4
Free Ammonia	*Nil.*	0.001	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	0.001	0.016	*Nil.*	*Nil.*	0.001	0.007	*Nil.*	0.040	*Nil.*	*Nil.*	*Nil.*	0.001	*Nil.*	*Nil.*	*Nil.*	0.001
Albuminoid Ammonia	0.006	0.007	0.009	0.008	0.007	0.006	0.012	0.006	0.013	0.026	0.017	0.020	0.017	0.010	0.012	0.030	0.006	0.011	0.017	0.012	0.017	0.015	0.009	0.006
Oxygen Absorbed at 80°F. (Tidy's Process)...	0.036	0.038	0.034	0.046	0.044	0.038	0.072	0.032	0.065	0.106	0.074	0.086	0.080	0.072	0.069	0.100	0.034	0.048	0.068	0.056	0.078	0.075	0.052	0.048
Vehar Water from 48" Vehar Main at Powai :—																								
Total Solids	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	14.0	14.0	14.0	14.0	14.0	14.0	13.0	13.0	14.0	14.0
Chlorine	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.4
Free Ammonia	*Nil.*	0.001	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	0.002	0.002	0.008	*Nil.*	0.001	0.003	*Nil.*	*Nil.*	*Nil.*	*Nil.*	*Nil.*	0.002	0.001	*Nil.*	*Nil.*	0.004
Albuminoid Ammonia	0.006	0.007	0.009	0.008	0.012	0.007	0.013	0.014	0.030	0.020	0.016	0.015	0.018	0.012	0.016	0.006	0.007	0.006	0.014	0.030	0.014	0.012	0.008	0.005
Oxygen Absorbed at 80°F (Tidy's Process) ...	0.038	0.042	0.038	0.042	0.052	0.044	0.052	0.036	0.102	0.096	0.084	0.072	0.090	0.072	0.070	0.036	0.038	0.042	0.052	0.106	0.070	0.060	0.054	0.048

J. H. DOCTOR,
Municipal Analyst.

STATEMENT No. 5.

Statement of Bacteriological Analysis of Bombay water samples during the year ending 31st December 1947.

Lactose Fermenters.

Source.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.	
	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
Vehar water from 32" Vehar Main at King Circle.	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100
Vehar water from 24" Vehar at Sion Causeway.	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100
Tansa water from Malbar Hill Reservoir	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100
Tansa water from 48" New Tansa Main at Sion Cabin	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100
Tansa water from 48" Old Tansa Main at Sion Cabin	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100
Tansa water from 57" East Main at Bandra Cabin	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100
Tansa water from 57" West Main at Bandra Cabin	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100
Tulsi water from 24" Tusli Main at Santa-Cruz	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100
Tansa water from the Out-let at Gowalia Tank Fire Brigade Station,	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100
Tansa water from Bhandarwada Reservoir	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100	c. c. —in 100

J. H. DOCTOR,
Municipal Analyst.

THE ANNUAL REPORT OF SUPERINTENDENT OF VACCINATION FOR THE YEAR 1947.

The Vaccination Branch of the City was taken over from Government by the Municipality in 1909 and the practice of calf-to-arm vaccination was continued. Glycerinated vaccine was also continued to be prepared and used for performing vaccination. From 1st January 1923 the preparation of calf-lymph preserved in Glycerine was discontinued and vaccine lymph prepared at Belgaum was used instead with the approval of Corporation (*vide* their Resolution No. 7843, dated the 5th December 1922). Calf-lymph alone is used for vaccination.

During the year, Dr. T. R. Divekar was in charge upto 21-4-1947 and from the following day I have assumed the charge of the post of the Superintendent of Vaccination.

In all 34 Public Vaccination Stations were functioning in the City including the three stations at the Infant Welfare Centres at Wari Bunder, DeLisle Road and Naigaum respectively. Out of these, 31 remained open once a week from 8 A.M. to 10-30 A.M. (S.T.): the station at the Infant Welfare Centre, Naigaum, worked from 3-30 P.M. to 5-30 P.M. (S.T.) once a week; the Princess Street Vaccination Station for the south of the City worked daily from 8 A.M. to 10-30 A.M. (S.T.) and 2-30 P.M. to 5-30 P.M. (S.T.) except on Sundays and Bank Holidays when it was open from 8 A.M. to 10-30 A.M. (S.T.), and the station at the Central Vaccination Depot, Parel, for the north of the City worked daily from 7-30 A.M. (S.T.); to 5-30 P.M., (S.T.) except on Sundays and Bank Holidays when it remained open from 7-30 A.M. to 10-30 A.M. (S.T.) only.

In addition to these 34 stations the following stations were also working through the year:—

(1) DeLisle Road Cross Lane, Infant Welfare Centre, Peons' Chawl, Byculla.
(2) J. J. Hospital
(3) Arthur Road Hospital.

The first two stations worked for two and half hours once a week. The station at the Arthur Road Hospital worked every day for two hours in the evening.

Vaccine Operations with results.—The following statement shows the number of persons primarily vaccinated during the year 1947 and the preceding nine years and the percentage of successful primary operations in each year.

Year.	Primary Vaccination.		Percentage of successful vaccinations to the total No. of vaccinations, results of which were known.	No. of revaccinations	Total No. of persons vaccinated.
	No. of children vaccinated.	No. Successful.			
1938 ..	34714	30072	..	303365	338079
1939 ..	32294	29903	..	38890	71184
1940 ..	39307	35726	..	161588	200895
1941 ..	35955	31781	99.66	239201	275156
1942 ..	31282	26788	99.54	142836	174118
1943 ..	46000	40045	99.62	190330	236330
1944 ..	58825	46464	99.47	759978	818803
1945 ..	53971	44979	99.53	188544	242515
1946 ..	51 74	38174	99.66	963301	1014875
1947 ..	57846	47269	99.81	236497	294343

Note.—The percentage of successful vaccinations in the previous years is omitted as it shows a ratio to the total number of vaccinations which includes children removed out of the City without their results being ascertained and the ratio which was given in previous years offers no correct idea of the actual rate of all the results in the total number of primary vaccinations.

Out of the children vaccinated primarily 36386 were born in the City and 21426 out side the City, as against 37006 and 14526 respectively in the previous year.

(2) The results of primary vaccination by ages.—The following table represents the results of primary vaccinations by ages.

Results.	Under 1 year.	1 to 6 years.	6 years and upwards.	Total.
Successful ..	36545	10565	128	47238
Unsuccessful ..	65	21	..	86
Unknown ..	7759	2881	48	10488

(3) Inspection of results.—The reports of the vaccinators were checked by the Superintendent in 3108 cases and by the Head Vaccinator in 4963 cases. The rate of successful vaccinations was 100 per cent. Care was taken to check the Municipal Vaccinators' work in a large number of cases that visited the stations for inspection after seven days and the same was found to be satisfactory. By this inspection it was also ensured that the vaccine lymph used was of good potency.

(4) Income.—The following table shows the details of income derived from the sale of Lymph, fees charged for vaccinations done at private places, fees etc., for giving instructions in vaccination and for supplying extracts from vaccination registers during the year under report. The amount realised by the sale of vaccine lymph is credited to revenue.

Amount realised by sale of lymph.	Municipal moiety of the fees realised from private vaccinations.	Municipal fees (Moiety only) realised from Medical & Private students for receiving vaccination instructions.	Fees realised from vaccination extracts and other items.	Total.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
6,265 4 0	4,145 8 0	2,760 0 0	772 14 0	13,943 10 0

(5) Cost of single operation.—The cost of each successful vaccination operation, taking into consideration the charges incurred by the vaccination branch. was Rs. 2-11-7 as against Rs. 4-7-5 in the previous year. If the income of the corresponding period is deducted from the total expenditure, the cost works out at Rs. 2-6-10 as against Rs. 3-15-3 in the previous year. If calculated against the total number of vaccine operations *i.e.* both primary vaccinations and revaccinations during the year the cost of each operation after deducting the income of the year comes to Rs. 0-6-4, as against Rs. 0-2-5 in the preceding year.

(6) Postponement certificates.—During the year under report 534 certificates for postponement of the vaccination of the children were granted.

(7) Prosecutions.—There were no cases of prosecution for failure to bring infants for vaccination or for failure to present them for inspection seven days after the operation.

(8) Ill effects from vaccination.—No serious ill effects due to vaccination were observed or reported during the year.

(9) Instructions to students.—During the period under report 188 Civil Medical students and 176 private students from the City and moffusils attended different Public Vaccination Stations for instructions in vaccination. Besides these, Lady Health Visitors of Bombay Presidency Infant Welfare Society were given instructions in vaccination at the request of the Secretary of the Society free of charge.

(10) Vaccination of Pilgrims.—9676 Pilgrims proceeded to Haj during the year. Of these 3038 Pilgrims were vaccinated at the office of the Haj Committee by the staff of the vaccination branch.

(11) Due to continued disturbances of peace in the City and imposition of Curfew Order in certain localities there was a set back to the vaccination work to some extent during the first 6 months of the year.

J. R. MIRZA,

Ag. Superintendent of Vaccination.

BOMBAY.

Table No. 1.

POPULATION BY SECTIONS.

	1	2					
Ward No.	Section.	Population.					
		By the Census 1931.			By the Census 1941.		
		Males.	Females.	Total.	Males.	Females.	Total.
1	Upper Colaba ...	288	148	436	7,210	1,091	8,301
	Middle and Lower Colaba ...	13,628	6,326	19,954	21,513	12,007	33,520
	Fort, South ...	2,854	641	3,495	9,656	3,738	13,394
2	Fort, North ...	16,823	9,009	25,832	18,367	10,189	28,556
	Esplanade ...	9,814	4,489	14,303	11,938	6,530	18,468
3	Mandvi ...	27,050	14,656	41,706	25,411	13,503	38,914
	Chukla ...	12,031	6,006	18,037	13,986	8,068	22,054
4	Umerkhadi ...	25,588	16,006	41,594	32,567	19,715	52,282
	Dongri ...	8,101	4,927	13,028	12,680	9,082	21,762
5	Khara Talao ...	14,998	8,245	23,243	22,998	14,071	37,069
	Kumbharwada ...	19,815	12,212	32,027	18,957	10,898	29,855
6	Bhuleshwar ...	23,097	12,009	35,106	19,033	8,634	27,667
	Market ...	26,952	11,699	38,651	22,923	11,461	34,384
7	Dhobi Talao ...	27,568	16,804	44,372	29,147	17,843	46,990
	Fanaswadi ...	19,722	12,355	32,077	21,575	14,362	35,937
8	Khetwadi ...	24,350	14,957	39,307	31,229	21,455	52,684
	Tardeo ...	19,200	12,548	31,748	21,216	13,996	35,212
9	Girgaum ...	24,369	14,417	38,786	32,485	21,470	53955
	Chowpati ...	10,091	6,106	16,197	13,670	9,082	22,752
10	Walkeshwar ...	14,523	8,211	22,734	15,354	9,797	25,151
	Mahalakshmi ...	22,948	13,621	36,569	32,254	22,368	54,622
11	Mazagaon ...	28,414	14,739	43,153	28,575	15,762	44,337
	Tarwadi ...	24,678	15,660	40,338	24,210	14,659	38,869
12	1st Nagpada ...	4,672	2,551	7,223	6,350	4,740	11,090
	2nd Nagpada ...	13,368	7,694	21,032	19,635	11,055	30,690
	Kamathipura ...	23,488	14,083	37,571	26,346	16,063	42,409
13	Byculla ...	59,098	32,887	91,985	62,908	33,570	96,478
14	Parel ...	40,407	23,153	63,560	43,836	27,590	71,426
15	Sewri ...	17,376	9,380	26,756	20,625	11,239	31,864
	Naigaum ...	...	...	...	32,448	19,717	52,165
16	Matunga ...	...	...	...	25,562	18,195	43,757
	Sion ...	43,167	26,031	69,198	13,169	8,871	22,040
17	Dadar ...	...	...	...	30,727	19,885	50,612
	Mahim ...	30,048	19,196	49,244	25,566	19,139	44,705
18	Parbhadevi ...	...	...	...	37,023	21,775	58,798
	Worli ...	73,644	40,887	1,14,531	35,777	20,887	56,664
19	Chinchpokli ...	...	...	...	38,528	21,229	59,757
	Love Grove ...	...	...	...	3,386	1,313	4,699
	Harbour, Docks, Railways and Unknown ...	25,241	2,349	27,590	33,613	2,381	35,994
	Total ...	7,47,381	4,14,002	11,61,383	9,42,453	5,47,430	14,89,883

Table No. 2.

TABLE SHOWING THE AREA, DENSITY OF POPULATION, THE NUMBER OF BIRTHS, THE BIRTH-RATE AND DEATHS UNDER ONE YEAR PER 1,000 BIRTHS BY SECTIONS IN 1947.

1	2	3	4	5			6	7	8
Ward. No.	Sections.	Area in Acres.	Average Population per Acre calculated on the Census Population of 1941.	Number of Births registered.			No. of Births per 1,000 of Population.	Mean ratio of Births per 1,000 of Population during the preceding 5 years.	Deaths under 1 year per 1,000 Births.
				Males.	Females.	Total.			
1	Upper Colaba ...	605.77	13.7	116	112	228	27.5	25.3	66
	Middle and Lower Colaba ...	770.88	43.5	355	443	798	23.8	21.8	173
	Fort, Southern ...	454.26	29.5	168	164	332	24.8	19.6	54
2	Fort, Northern ...	89.70	318.4	461	440	901	31.6	30.1	171
	Esplanade ...	648.41	28.5	412	392	804	43.5	35.4	155
3	Mandvi ...	171.60	226.7	453	446	899	23.1	22.5	174
	Chukla ...	45.16	488.3	356	440	796	36.1	31.6	85
4	Umarkhadi ...	94.95	550.6	867	1,037	1,904	36.4	30.0	146
	Dongri ...	296.50	73.4	485	474	959	44.1	38.8	137
5	Khara Talao ...	57.36	646.3	494	378	872	23.5	22.2	143
	Kumbharwada ...	42.05	710.0	579	461	1,040	34.8	30.7	168
6	Bhuleshwar ...	43.22	640.1	762	642	1,404	50.7	46.1	152
	Market ...	81.75	420.6	620	603	1,223	35.6	29.7	116
7	Dhobi Talao ...	114.63	409.9	831	839	1,670	35.5	33.5	171
	Fanaswadi ...	102.39	351.0	676	672	1,348	37.5	34.4	145
8	Khetwadi ...	153.71	342.7	964	843	1,807	34.3	31.2	140
	Tardeo ...	146.92	239.7	585	531	1,116	31.7	34.2	162
9	Girgaum ...	114.42	471.5	914	891	1,805	33.6	29.5	124
	Chowpati ...	106.52	213.6	517	494	1,011	44.4	37.5	80
10	Walkeshwar ...	584.20	43.1	434	433	867	34.5	28.3	113
	Mahalakshmi ...	680.02	80.3	886	871	1,757	32.2	27.6	135
11	Mazagon ...	544.41	81.4	724	689	1,413	31.9	32.7	177
	Tarwadi ...	359.90	108.0	608	607	1,215	31.3	33.4	165
12	1st Nagpada ..	96.20	115.3	309	195	504	45.4	37.2	204
	2nd Nagpada ...	86.53	354.7	651	554	1,205	39.3	37.4	158
	Kamathipura ...	60.32	703.1	563	584	1,147	27.0	36.9	258
13	Byculla ...	536.27	179.1	1,448	1,356	2,804	29.1	31.5	229
14	Parel ...	560.59	127.4	1,442	1,392	2,834	39.7	41.3	166
15	Sewri ...	1,129.56	28.2	609	519	1,128	35.4	33.6	188
	Naigaum ...	425.08	122.7	1,062	957	2,019	38.7	37.8	167
16	Matunga ...	388.46	112.6	823	790	1,613	36.9	30.5	106
	Sion ...	2,737.89	8.1	625	507	1,132	51.4	40.1	219
17	Dadar ...	1,450.38	34.9	1,239	1,115	2,354	46.5	40.4	192
	Mahim ...	370.74	120.6	1,051	953	20,04	35.4	39.3	159
18	Parbhadevi ...	489.46	120.1	1,048	962	2,010	34.2	34.3	228
	Worli ...	915.11	61.9	1,034	1,011	2,045	36.1	35.6	201
19	Chinchpokli ...	477.31	125.2	866	870	1,736	29.1	31.5	228
	Love Grove ...	708.76	6.6	54	75	129	27.5	22.3	162
	Harbour, Docks, Railways and Unknown	...	...	...	...	...	...	...	...
	Total ...	16,761,57	88.9	26,091	24,742	50,833	34.1	29.4	167

Table No. 2A.

STATEMENT OF BIRTHS BY SECTIONS AND MONTHS FOR THE YEAR 1947.

Ward No.	Name of Section.	Months.												Total.
		January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
1	Upper Colaba ...	17	14	23	10	11	23	22	26	20	26	15	21	228
	Middle and Lower Colaba. ...	76	56	52	67	57	46	72	52	72	80	77	91	798
2	Fort, Southern ...	31	25	26	17	9	23	29	27	34	39	33	39	332
	Fort, Northern ...	55	51	51	57	72	64	63	87	80	115	100	106	901
3	Esplanade ...	50	48	61	48	75	58	61	61	70	90	83	99	804
	Mandvi ...	58	73	76	73	60	57	56	69	69	101	113	94	899
4	Chakla ...	66	39	47	65	60	59	54	80	77	79	75	95	796
	Umarkhadi ...	185	103	122	150	134	154	140	166	172	175	185	218	1,904
5	Dongri ...	79	45	76	52	76	70	79	80	96	106	106	94	959
	Khara Talao ...	86	51	70	55	72	68	59	79	83	88	77	84	872
	Kumbharwada ...	71	52	66	58	66	64	90	94	92	127	135	125	1,040
6	Bhuleshwar ...	124	94	96	101	95	103	127	123	123	142	142	134	1,404
	Market ...	91	98	84	75	101	93	85	86	110	134	145	121	1,223
7	Dhobi Talao ...	131	104	112	135	119	129	121	130	164	186	174	165	1,670
	Fanaswadi ...	119	94	89	89	103	119	85	116	129	151	138	116	1,348
8	Khetwadi ...	143	99	123	114	132	132	151	171	150	202	190	200	1,807
	Tardeo ...	86	81	76	85	84	87	84	104	92	97	99	141	1,116
9	Girgaum ...	134	100	129	123	146	145	159	165	141	224	168	171	1,805
	Chowpati ...	88	56	69	58	72	80	94	84	98	103	107	102	1,011
10	Walkeshwar ...	64	76	64	57	56	72	62	65	82	88	89	92	867
	Mahalaxmi ...	163	116	120	95	117	133	130	150	174	180	184	195	1,757
11	Mazgaon ...	125	101	109	105	117	106	114	99	127	123	145	142	1,413
	Tarwadi ...	99	91	74	81	106	71	103	101	95	121	133	140	1,215
12	First Nagpada ...	33	30	28	29	34	46	40	48	50	72	43	51	504
	Second Nagpada ...	80	104	88	76	90	94	110	97	93	129	125	119	1,205
	Kamathipura ...	104	74	81	90	92	83	83	89	100	142	111	98	1,147
13	Byculla ...	257	189	202	185	214	228	203	192	244	285	303	302	2,804
14	Parel ...	205	181	244	188	217	181	223	222	269	292	306	306	2,834
15	Sewri ...	88	96	81	89	84	75	87	98	103	111	110	106	1,128
	Naigaum ...	182	151	163	145	156	128	156	176	181	221	177	183	2,019
16	Matunga ...	129	110	105	90	139	101	136	143	84	208	189	179	1,613
	Sion ...	77	70	84	63	88	75	70	92	94	117	162	140	1,132
17	Dadar ...	208	158	148	183	190	168	190	196	195	233	235	250	2,354
	Mahim ...	172	113	124	144	177	138	169	171	151	195	236	214	2,004
18	Parbhadevi ...	195	139	130	124	157	141	159	154	134	153	257	267	2,010
	Worli ...	175	128	148	137	162	127	168	185	141	178	200	296	2,045
19	Chinchpokli ...	156	100	123	109	124	122	120	160	157	179	180	206	1,736
	Love Grove ...	4	23	17	6	2	12	8	6	14	10	17	10	129
	Harbour, Docks, etc.	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total ...	4,206	3,333	3,581	3,428	3,866	3,675	3,962	4,244	4,360	5,302	5,364	5,512	50,833

Table No. 3.

TABLE OF POPULATION AND BIRTHS BY COMMUNITIES OR CASTES IN 1947.

Race or Caste.	Population		Births				
			Registered in 1946			Number per 1,000.	
	By the Census of 1931	By the Census of 1941	Males.	Females.	Total.	1946	1947
Jains ...	12,424	33,281	834	794	1,628		
Brahmins ...	75,966	1,24,438	2,036	1,867	3,903		
Lingaits ...	347	1,736	195	191	386	34·7	32·9
Bhatias ...	5,895	6,568	170	138	308		
Banias ...	50,822	34,921	1,026	966	1,992		
Hindus of other Castes ...	5,53,580	7,38,751	11,619	11,049	22,668		
Scheduled class ...	1,03,251	1,21 352	3,048	29,36	5,984	51·6	49·3
Mussalmans ...	2,09,246	2,51,318	4,248	4,050	8,298	33·7	33·0
Parsees ...	57,765	59,813	525	445	970	20·1	16·2
Jews ...	8,621	10,390	222	216	438	41·6	42·2
Indian Christians ...	64,269	78,149	1,916	1,862	3,778	50·2	48·3
Anglo-Indians ...	7,039	8,797	99	87	186	24·9	21·1
Europeans ...	9,420	13,001	91	108	199	20·8	15·3
Buddhists ...	1,630	912	25	13	38	64·7	41·7
Other and unknown Castes	1,108	6,456	37	20	57	5·6	8·8
Total ...	11,61,383	14,89,883	26,091	2,4742	50,833	35·9	34·1

Table No. 3-A.

TABLE SHOWING THE NUMBER OF BIRTHS BY MONTHS DURING THE YEARS 1943 1944, 1945, 1946 & 1947 AND THE AVERAGE FOR THE YEARS (1942-1946)

Period.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
1942—46...	4,336	3,563	3,452	3,413	3,456	3,442	3,618	3,854	4,065	4,688	4,844	5,068	47,819
1943 ...	2,863	2,141	2,295	2,909	3,153	3,372	3,458	3,732	4,409	4,970	5,186	5,527	44,015
1944 ...	5,226	4,769	4,876	4,218	4,192	4,144	4,353	4,359	4,714	5,224	5,341	5,491	56,907
1945 ...	4.965	3,797	3,650	3,600	3,734	3,905	4,118	4,488	4,769	5,075	5,293	5,776	53,170
1946 ...	5,034	4,104	4,299	4,355	4,176	3,911	4,214	4,499	3,990	4,933	5,028	4,926	53,469
1947 ...	4,206	3,333	3,581	3,428	3,866	3,675	3,962	4,244	4,360	5,302	5,364	5,512	50,833

Table No. 4.

TABLE SHOWING CASES OF INFECTIOUS DISEASES NOTIFIED FROM ALL SOURCES DURING THE YEAR 1947.

1	2	3														
Ward. No.	Sections.	Total Number of Cases notified in each Section.														
		Cholera.	Small-pox.	Plague.	Enteric Fever.	Diph-theria.	Typhus.	Relapsing Fever.	Kala Azar	Puerperal Fever.	Tuber-culosis.	Leprosy.	Influenzal Pneumonia	Cerebro Spinal Meningitis.	Scarlet Fever.	Total.
1	Upper Colaba	...	1	...	9	7	6	...	...	...	6	...	...	...	...	29
	Middle and Lower Colaba ...	1	...	...	17	4	2	...	...	...	27	...	...	...	...	51
	Fort, Southern	...	...	...	13	..	...	...	...	...	12	...	...	...	...	25
2	Fort, Northern	1	2	...	28	4	1	...	...	...	67	...	...	2	...	105
	Esplanade	...	2	...	33	9	2	...	...	...	78	...	...	...	...	124
3	Mandvi	...	2	...	20	3	...	...	...	...	16	...	...	4	...	45
	Chukla	...	1	...	9	7	1	...	...	...	17	...	...	...	...	35
4	Umarkhadi	...	5	1	27	10	...	...	...	...	74	...	...	3	...	120
	Dongri	...	1	...	24	8	1	...	...	...	54	...	...	1	...	89
5	Khara Talao	1	2	...	14	6	...	...	...	...	32	...	...	1	...	56
	Kumbharwada	1	...	...	29	3	...	...	...	...	48	...	...	...	...	81
6	Bhuleshwar	...	...	1	21	12	...	...	...	...	33	...	...	1	...	68
	Market	2	...	...	35	3	...	...	...	...	28	...	...	...	...	68
7	Dhobi Talao	1	2	...	207	15	2	...	...	...	60	...	...	2	...	289
	Fanaswadi	1	4	1	114	5	...	...	...	...	36	...	...	...	...	161
8	Khetwadi	2	...	...	49	10	..	...	...	...	96	1	...	1	...	159
	Tardeo	...	2	...	18	12	...	...	...	...	33	...	...	2	...	67
9	Girgaum	2	...	1	94	9	...	...	...	...	66	...	...	1	...	173
	Chowpati	1	1	...	25	3	...	...	...	...	28	...	...	...	...	58
10	Walkeshwar	1	...	...	13	2	...	...	...	...	17	...	...	...	...	33
	Mahalakshmi	3	...	...	29	11	...	...	...	...	66	..	...	2	...	111
11	Mazagon	1	...	1	45	5	...	...	...	...	35	...	...	2	...	89
	Tarwadi	..	1	...	49	9	...	...	...	...	127	...	...	...	...	186
	1st Nagpada	...	...	...	22	9	...	...	...	...	15	...	...	...	...	46
12	2nd Nagpada	...	...	...	23	8	1	...	...	...	108	1	...	...	...	141
	Kamathipura	3	1	...	14	14	...	...	...	..	48	...	...	2	...	82
13	Byculla	88	16	2	259	67	2	...	...	...	136	1	...	13	...	584
14	Parel	1	5	1	113	27	...	...	...	...	185	...	...	4	...	336
15	Sewri	...	5	...	22	...	...	...	...	...	18	...	...	...	...	45
	Naigaum	...	3	...	28	9	...	...	...	1	84	...	...	3	...	128
16	Matunga	...	...	...	27	17	1	...	...	...	41	6	...	...	...	92
	Sion	...	1	...	28	4	...	...	...	...	29	59	...	1	...	122
17	Dadar	1	1	1	39	10	...	...	...	...	30	...	...	...	...	82
	Mahim	1	1	...	46	22	...	...	...	...	46	...	...	2	...	118
18	Prabhadevi	...	1	...	27	18	...	...	...	...	43	...	...	4	...	93
	Worli	2	...	...	43	6	...	...	...	...	29	...	...	2	...	82
19	Chinchpokli	..	2	2	51	7	...	...	...	...	46	...	...	1	...	109
	Love Grove	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...
	Harbour, Docks, etc. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Total ...	114	62	11	1,664	375	19	...	...	1	1,914	68	...	54	...	4,282
	Average of the last 5 years (1942 to 1946)	22	1,909	5	1,181	451	21	...	...	12	1,911	73	2	175	1	5,764

Table No. 5.

Table of Cases treated at all the Municipal Dispensaries during 1947.

Description of diseases	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Measles ...	1	...	1	...	2	...	1	1	...	3	5	6	20
Whooping Cough ...	5	8	12	17	20	21	7	8	9	8	5	3	123
Dengue ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Influenza ...	856	782	1,147	1,378	1,527	1,268	1,680	2,121	1,746	1,966	1,594	1,511	17,576
Dysentery ...	126	105	195	315	417	276	381	425	419	378	274	294	3,605
Diarrhoea ...	424	353	593	701	891	738	927	1,225	943	855	790	776	9,216
Malarial Fever ...	35	35	40	41	50	31	53	53	55	60	33	73	559
Fever not defined ...	758	705	939	1,127	1,239	1,171	1,339	1,436	1,448	1,480	1,134	1,203	13,979
Bronchitis ...	74	84	109	95	81	54	73	55	89	77	71	75	937
Pneumonia ...	7	12	11	26	14	10	21	24	34	17	28	16	220
Diseases of the teeth ...	178	222	318	302	393	385	389	393	375	429	343	339	4,066
Ophthalmia ...	175	162	307	307	372	379	422	420	343	418	352	322	3,979
Corneal Ulcer ...	7	3	4	3	14	2	19	19	23	...	33	44	171
Ringworm ...	211	199	228	258	384	408	581	563	530	556	425	398	4,741
Scabies ...	1,521	1,427	1,538	1,301	1,491	1,277	1,509	1,534	1,659	1,861	1,679	1,601	18,398
Worms ...	293	289	356	488	523	442	378	488	453	381	409	383	4,883
All other diseases and injuries	6,085	5,200	5,978	6,789	7,656	6,764	8,473	7,980	7,551	8,120	6,565	6,741	83,902
Leprosy ...	1	...	3	2	1	2	1	1	2	1	...	4	18
Total new cases ...	10,757	9,586	11,779	13,150	15,075	13,228	16,254	16,746	15,679	16,610	13,740	13,789	1,66,393

Includi- g 1,291 cases treated at the Maratha Hospital Out door dispensary.

Note.—This Table does not include the number of patients treated at the three Dispensaries for Tuberculosis (*see* page) and at those for Women and Children (*see* page 20)

Table No. 6.

DEATHS FROM ALL CAUSES BY SECTIONS AND AGE-PERIOD IN 1947.

1	2	3	4	5	6	7	8	9	10	11	12	13	14			15	16	
Wards.	Name of Sections.	Under 1 year.	1 to 5 years.	5 to 10 years.	10 to 15 years.	15 to 20 years.	20 to 30 years.	30 to 40 years.	40 to 50 years.	50 to 60 years.	60 years and above.	Age unspecified.	Total deaths			No. of deaths among males to 100 deaths among females.	Ratio of deaths per 1,000 of population.	
													Male.	Female.	Persons.		1941	Mean during the previous 5 years.
1	Upper Colaba ...	15	7	1	...	3	15	3	2	3	12	...	37	24	61	154	10.8	14.9
	Middle and Lower Colaba ...	138	69	17	10	16	61	46	43	37	106	...	308	235	543	131	14.7	14.4
	Fort Southern ...	18	8	2	2	4	12	8	5	10	8	...	44	33	77	133	9.2	10.5
2	Fort Northern ...	154	90	24	14	22	65	47	48	59	122	...	397	248	645	160	24.3	21.4
	Esplanade ...	125	53	11	10	11	50	57	66	67	100	...	384	166	550	231	25.5	25.9
3	Mandvi ...	156	91	39	15	27	74	84	54	64	128	...	411	321	732	128	19.4	17.1
	Chakla ...	68	33	8	4	8	27	18	20	19	48	1	137	117	254	117	15.6	15.7
4	Umarkhadi ...	277	171	33	28	45	105	115	104	113	215	...	678	528	1,206	128	25.8	23.8
	Dongri ...	131	86	20	13	21	58	52	37	53	78	...	316	233	549	136	29.5	24.9
5	Khara Talao ...	125	55	14	10	21	61	51	52	51	105	...	325	220	545	148	15.6	14.6
	Kumbharwada ...	175	141	33	23	25	90	56	61	72	110	...	392	394	786	99	28.1	25.5
6	Bhuleswar ...	213	122	28	31	29	102	71	80	74	167	...	511	406	917	126	35.1	31.8
	Market ...	142	72	28	11	18	85	61	43	53	88	...	344	257	601	134	20.0	17.9
7	Dhobi Talao ...	286	186	45	32	55	132	107	83	98	213	...	681	556	1,237	122	25.3	23.4
	Fanaswadi ...	196	137	36	30	32	105	63	61	66	162	...	488	400	888	122	26.0	22.2
8	Khetwadi ...	253	173	52	30	43	132	118	92	112	184	...	607	582	1,189	104	24.6	22.4
	Tardeo ...	181	178	40	16	24	106	86	91	75	189	...	518	468	986	111	30.3	28.2
9	Girgaum ...	223	162	52	31	59	136	101	96	80	204	...	619	525	1,144	118	22.9	18.7
	Chowpati ...	81	37	8	8	12	40	37	28	38	79	...	201	167	368	120	19.7	15.3
10	Walkeswar ...	98	45	8	6	13	33	33	26	46	113	...	207	214	421	97	15.2	13.8
	Mahalakshmi ...	238	180	46	21	24	102	85	87	86	207	...	554	522	1,076	106	25.1	21.4
11	Mazagaon ...	250	185	34	12	35	143	98	105	84	165	...	605	506	1,111	120	29.1	26.2
	Tarwadi ...	201	182	25	16	23	88	92	110	77	174	...	552	436	988	127	29.4	27.4
12	1st Nagpada ...	103	81	12	9	11	36	26	29	24	44	...	187	188	375	99	34.3	29.7
	2nd Nagpada ...	190	119	44	34	61	284	290	230	215	266	...	1,191	542	1,733	220	54.7	47.6
	Kamathipura ...	296	243	56	18	43	134	112	81	181	209	...	663	630	1,293	105	35.2	32.4
13	Byculla ...	641	489	118	56	77	375	289	226	218	407	...	1,565	1,331	2,886	118	34.1	30.4
14	Parel ...	470	355	81	44	52	262	230	182	165	278	...	1,158	961	2,119	120	35.3	30.2
15	Sewri ...	212	179	30	14	22	82	93	72	60	121	...	491	394	885	125	34.4	31.2
	Naigaum ...	338	325	47	19	40	142	109	100	75	193	...	726	662	1,388	110	31.5	29.3
16	Matunga ...	171	82	24	6	18	63	37	41	45	153	...	327	313	640	104	15.2	14.5
	Sion ...	248	265	47	25	24	74	75	75	60	141	...	528	506	1,034	104	32.7	29.0
17	Dadar ...	453	398	75	26	42	117	115	89	96	207	...	886	732	1,618	121	36.1	29.9
	Mahim ...	318	177	32	20	31	102	92	68	82	218	...	593	547	1,140	108	27.0	23.2
18	Parbhadevi ...	459	487	72	34	38	176	105	127	105	246	...	967	882	1,849	110	33.0	27.3
	Worli ...	411	531	91	26	35	160	132	103	96	189	...	915	858	1,773	107	33.8	30.0
19	Chinchpokli ...	396	433	71	41	42	162	152	148	145	284	...	975	899	1,874	108	37.7	29.2
	Love Grove ...	21	16	5	..	2	5	5	4	8	10	...	38	38	76	100	20.4	16.4
	Harbour, Docks, etc. ...	...	1	3	1	1	19	13	8	5	1	...	44	8	52	550	20.1	5.4
	Total ...	8,471	6,644	1,410	746	1,109	4,013	3,362	2,978	2,938	5,947	1	20,573	17,046	37,619	...		...
	Average of five years 1942-46 ...	9,396	6,397	1,246	697	1,025	3,867	3,446	2,719	2,593	5,142	13			36,541			

Table No. 6A.

TABLE SHOWING INFANT MORTALITY BY SECTIONS AND MONTHS IN 1947.

Ward No.	Name of Section.	Months.												Total.
		Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	
1	Upper Colaba ...	1	1	2	...	1	1	1	...	1	2	2	3	15
	Middle and Lower Colaba. ...	8	13	10	9	13	9	13	12	13	20	11	7	138
	Fort Southern ...	...	3	1	2	3	2	...	...	...	1	4	2	18
2	Fort Northern ...	13	7	12	12	14	11	10	13	20	15	13	14	154
	Esplanade ...	5	4	11	7	15	9	8	9	10	16	14	17	125
3	Mandvi ...	4	6	12	10	17	15	13	22	14	15	16	12	156
	Chukla ...	...	2	5	6	8	7	7	3	4	10	6	10	68
4	Umarkhadi ...	27	15	9	18	29	32	20	23	29	28	22	25	277
	Dongri ...	6	8	9	6	13	13	14	8	11	17	10	16	131
5	Khara Talao ...	8	9	7	9	14	9	8	12	13	12	13	11	125
	Kumbharwada ...	13	4	16	14	16	15	11	16	16	17	12	25	175
6	Bhuleshwar ...	17	11	13	23	18	20	16	18	13	30	19	15	213
	Market ...	9	9	14	8	15	14	11	11	11	15	7	18	142
7	Dhobi Talao ...	25	14	16	22	25	22	16	28	30	36	26	26	286
	Fanaswadi ...	17	17	12	15	19	13	9	17	15	21	21	20	196
8	Khetwadi ...	14	24	21	16	14	17	20	21	30	31	21	24	253
	Tardeo ...	16	12	10	6	10	17	19	17	16	21	17	20	181
9	Girgaum ...	18	15	10	16	19	18	18	17	31	28	10	23	223
	Chaupati ...	7	3	8	6	2	7	5	6	10	10	11	6	81
10	Walkeshwar ...	6	3	4	6	6	12	12	10	9	9	7	14	98
	Mahalaxmi ...	21	15	18	19	24	13	18	23	24	28	15	20	238
11	Mazgaon ...	15	17	17	20	23	17	19	33	31	19	25	14	250
	Tarwadi ...	13	6	11	12	24	18	18	17	23	15	23	21	201
12	1st Nagpada ...	7	4	10	4	3	9	4	13	12	16	9	12	103
	2nd Nagpada ...	16	10	17	12	10	21	17	17	20	13	16	21	190
	Kamathipura ...	15	23	16	29	15	27	28	30	31	33	28	21	296
13	Byculla ...	52	39	52	46	54	44	46	69	68	61	62	48	641
14	Parel ...	33	24	28	34	36	46	45	36	58	50	34	46	470
15	Sewri ...	11	9	9	15	22	13	15	25	25	19	23	26	212
	Naigaum ...	22	15	32	27	31	20	36	36	26	38	30	25	338
16	Matunga ...	10	13	8	11	25	10	15	21	18	12	13	15	171
	Sion ..	13	8	11	10	29	14	19	28	39	32	25	20	248
17	Dadar ...	30	16	26	36	49	50	41	48	42	39	39	37	453
	Mahim ...	19	13	17	23	22	27	32	34	40	30	28	33	318
18	Parbhadevi ...	24	24	28	38	46	40	45	50	59	36	29	40	459
	Worli ...	19	18	30	36	37	36	37	39	34	41	35	49	411
19	Chinchpokli ...	31	18	31	22	29	29	35	39	43	51	34	34	396
	Love Grove ...	2	2	1	4	1	1	...	2	3	2	2	1	21
	Harbour, Decks etc. ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	TOTAL ...	567	454	564	609	751	698	701	823	892	889	732	791	8,471

Table No. 7.

DEATHS BY CASTES AND AGES IN THE YEAR 1947.

	Within 24 Hours		1 to 7 days		1 to 4 weeks		4 weeks to 3 months		3 months to 6 months		6 to 12 months		1 to 2 years		2 to 5 years		5 to 10 years		10 to 15 years		15 to 20 years		20 to 30 years		30 to 40 years		40 to 50 years		50 to 60 years		60 and over		Age unspecified		All ages.		Persons	Average of five years 1942 to 1946
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male	Female	Male	Female		
Jains ...	12	9	12	12	13	13	4	10	15	12	19	23	17	12	26	11	13	9	10	8	22	14	29	32	32	28	35	11	44	9	39	29	...	...	342	242	584	462
Brahmins ...	25	17	49	31	35	45	35	31	42	34	81	75	67	79	55	57	37	36	39	21	35	50	126	111	112	84	130	49	128	61	221	190	...	...	1,217	971	2,188	2,061
Lingayats ...	11	8	9	10	11	12	4	5	9	6	18	27	35	31	53	37	13	17	3	7	8	17	15	14	9	16	17	8	12	6	15	30	...	...	242	251	493	471
Bhatias ...	1	1	1	4	3	1	6	1	7	1	8	1	8	2	3	2	3	2	2	2	2	3	4	3	9	4	1	6	13	6	22	41	...	...	93	80	173	159
Banias ...	6	9	23	14	26	20	18	15	15	19	36	45	34	34	36	20	19	19	9	13	16	14	36	54	38	28	47	26	70	26	85	71	...	...	514	427	941	843
Hindus of other casts.	211	138	420	294	378	298	226	244	247	269	626	644	764	812	792	838	317	355	179	176	254	260	1,149	895	1,025	711	1014	440	917	389	1,247	1,173	...	...	9,766	7,936	17,702	16,473
Hindu Schedule-Class.	75	51	123	88	105	94	109	86	101	103	267	239	357	376	491	592	148	160	48	52	67	59	199	302	183	200	208	104	196	131	314	394	...	...	2,991	3,029	6,020	6,313
Mussalmans ...	73	55	148	97	117	107	96	104	106	98	158	139	166	164	181	198	92	102	53	76	78	117	381	390	405	239	443	164	431	134	681	451	...	...	3,609	2,635	6,244	6,305
Parsees ...	6	2	12	7	8	7	4	...	1	3	13	6	1	5	6	4	4	2	4	2	7	4	15	10	23	21	26	26	55	57	269	268	...	...	454	414	868	892
Jews ...	5	3	1	1	5	4	1	3	2	3	5	2	6	8	7	3	2	3	2	1	3	3	2	9	1	15	5	1	14	6	37	43	...	...	98	108	206	190
Indian-Christians ...	37	17	36	21	46	42	67	70	38	31	62	64	54	53	68	67	34	23	19	16	33	32	109	107	94	67	117	62	131	63	148	123	...	...	1,093	858	1,951	1,987
Anglo-Indians ...	1	1	2	1	3	2	1	...	1	2	4	2	1	4	2	1	...	2	2	2	3	3	2	6	4	6	8	4	12	8	14	10	...	...	60	54	114	107
Europeans ...	...	1	...	...	...	1	1	...	...	2	1	...	2	...	...	2	...	...	...	...	4	1	8	...	3	2	14	3	12	4	21	14	...	...	66	30	96	186
Buddhists ...	...	...	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	2	...	8	1	2	...	6	...	...	...	21	5	26	58
Other and Unknown Casts ...	2	2	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	1	...	1	...	1	...	7	6	13	34
TOTAL ...	465	314	837	581	751	650	572	569	584	583	1,298	1,267	1,512	1,580	1,720	1,832	682	728	370	376	532	577	2,077	1,936	1,941	1421	2,073	905	20,38	900	3 120	2,827	1		20,573	17,046		
Persons. ...	779		1,418		1,401		1,141		1,167		2,565		3,092		3,552		1,410		746		1,109		4,013		3,362		2,978		2,938		5,947		1		37,619			
Average of five years. 1942—46.	2,198		1,520		2753		2,925		3,306		3,091		1,246		697		1,025		3,867		3,446		2,719		2,593		5,142		13		36,541				36 541

Table No. 8.

DEATHS BY AGES AND MONTHS IN 1947.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	Average of five years 1942-46.
Within 24 Hours ...	36	36	44	57	58	58	79	93	90	99	76	53	779	2,198
1 to 7 days	106	75	102	89	91	94	127	129	166	165	124	150	1,418	
1 to 4 weeks	109	80	80	78	99	74	93	134	169	174	148	153	1,401	1,520
4 weeks to 3 months ...	93	83	78	67	86	75	77	100	119	117	113	133	1,141	2,753
3 months to 6 months ...	98	74	98	95	127	90	78	117	117	82	105	86	1,167	
6 months to 12 months ...	125	106	162	224	290	307	248	250	232	227	176	218	2,565	2,925
1 to 2 years	159	138	186	208	293	301	306	332	313	264	285	307	3,092	3,306
2 to 5 years	174	161	179	215	283	335	362	377	362	356	354	394	3,552	3,091
5 to 10 years	84	84	84	114	102	109	136	133	146	127	142	149	1,410	1,246
10 to 15 years	37	43	62	56	63	82	59	81	59	78	81	55	746	697
15 to 20 years	95	71	68	90	84	90	95	107	89	106	115	99	1,109	1,025
20 to 30 years	292	259	323	318	332	273	344	445	387	359	344	337	4,013	3,867
30 to 40 years	276	184	224	265	237	241	296	327	366	364	325	257	3,362	3,446
40 to 50 years	236	203	199	242	234	244	261	304	292	286	240	249	2,978	2,719
50 to 60 years	225	214	226	234	235	223	228	250	299	286	245	273	2,938	2,593
60 and over	422	380	427	437	485	415	508	603	590	582	582	516	5,947	5,142
Ages Unspecified ...	...	...	...	...	...	..	...	...	...	...	...	1	1	13.
All Ages	2,765	2,191	2,542	2,789	3,099	3,011	3,297	3,782	3,796	3,672	3,445	3,430	37,619	
Average of five years 1942-46.	3,144	3,097	3,402	3,150	3,060	2,800	31,04	3,172	3,013	2,959	2,737	2,903	36,541	

Table No. 9.

TABLE OF DEATHS BY SECTIONS AND MONTHS IN 1947.

Ward No.	Localities — Name of Sections.	Months. Jan.	Feb.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.	Total.
1.	Upper Colaba ...	2	2	7	2	3	3	3	1	4	10	10	14	61
	Middle and Lower Colaba.	41	47	44	48	51	36	51	38	51	44	51	41	543
	Fort, Southern ...	4	5	6	9	11	7	2	4	9	1	14	5	77
2.	Fort, Northern ...	43	28	50	47	58	56	47	56	73	61	62	64	645
	Esplanade	40	31	44	44	40	40	37	48	49	64	45	68	550
3.	Mandvi	45	48	52	57	56	49	66	79	72	66	80	62	732
	Chukla	11	14	17	23	25	22	22	21	19	31	24	25	254
4.	Umarkhadi	94	69	71	95	115	105	93	116	109	128	97	114	1,206
	Dongri	42	30	30	27	53	43	46	49	62	67	45	55	549
5.	Khara Talao ...	38	39	34	45	45	43	37	61	55	47	56	45	545
	Kumbharwada ...	53	35	58	67	60	61	54	65	87	84	71	91	786
6.	Bhuleshwar	71	52	60	81	68	77	86	88	69	106	88	71	917
	Market	36	43	48	42	52	40	54	57	47	59	48	75	601
7.	Dhobi Talao ...	87	71	73	93	105	93	95	98	100	140	178	104	1,237
	Fanaswadi	64	60	48	56	85	63	67	70	78	84	127	86	888
8.	Khetwadi	83	84	101	81	88	80	88	104	121	130	118	111	1,189
	Tardeo	78	64	69	73	82	94	89	100	80	86	76	95	986
9.	Girgaum	71	86	79	85	85	90	93	127	118	103	110	97	1,144
	Chowpati	26	21	29	25	21	33	30	36	51	36	30	30	368
10.	Walkeshsar	27	33	33	36	23	42	35	39	43	37	35	38	421
	Mahalakshmi ...	71	64	77	81	93	88	96	113	113	102	87	91	1,076
11.	Mazagaon	93	67	70	86	79	85	98	140	131	100	81	81	1,111
	Tarwadi	59	43	60	71	81	94	97	91	100	94	106	92	988
12.	1st Nagpada	20	22	29	23	25	33	24	38	42	45	40	34	375
	2nd Nagpada ...	149	110	111	109	103	131	135	179	190	184	164	168	1,733
	Kamathipura... ...	89	81	95	110	86	92	96	126	124	137	133	124	1,293
13.	Byculla	195	176	213	214	245	204	230	356	310	260	257	236	2,896
14.	Parel	142	120	135	175	175	180	187	243	218	197	157	190	2,119
15.	Sewri	59	52	47	74	90	62	81	85	89	86	82	78	885
	Naigaum	110	75	112	87	130	115	145	138	110	146	105	115	1,388
16.	Matunga	36	54	44	55	61	51	48	64	61	53	53	60	640
	Sion	62	38	45	52	82	84	117	115	115	118	97	109	1,034
17.	Dadar	110	74	122	118	150	153	156	166	163	131	138	137	1,618
	Mahim	73	63	72	84	108	94	109	103	121	102	100	111	1,140
18.	Parbhadevi	90	96	126	149	176	180	163	191	221	158	145	154	1,849
	Worli	88	83	94	126	163	151	202	180	188	173	146	179	1,773
19.	Chinchpokli	154	108	129	113	124	133	175	194	195	195	183	171	1,874
	Love Grove	10	3	8	12	2	4	6	3	8	7	5	8	76
	Harbour, Docks, etc. ...	1	...	...	14	...	...	37	...	...	...	...	...	52
	TOTAL .	2,567	2,191	2,542	2,789	3,099	3,011	3,297	3,782	3,796	36,72	3,444	3,429	37,619

Table

TABLE OF DEATHS BY CAUSES

Wards	SECTIONS.	1 Typhoid and Para Typhoid Fever(1-2).	2 Cerebro-Spinal Fever (6)	3 Scarlet Fever (8)	4 Whooping Cough (9)	5 Diphtheria (10)	6 Tuberculosis of Respiratory System (13)	7 Other forms of Tuberculosis (14-22).	8 Syphilitic disease (30)	9 Influenza (33)	10 Measles (35)	11 Acute Poliomyelitis & Polio Encephalitis (36)	12 Acute infectious Encephalitis (37)	13 M Cancer of buccal cavity and Oesophagus (45, 46A) males.	13 F	14 Cancer of Stomach and duodenum (46B)	15 Cancer of breast (50)	16 Cancer of all other sites (45-46A females, 46c-h 47, 49, 51-55)	17 Diabetes (61)	18 Intra-Cranial Vascular Lesions (83)	19 Heart Disease (90-95)	20 Other diseases of circulatory System (96-103)	21 Bronchitis (106)	22 Pneumonia (107-109)	23 Other Respiratory diseases (104, 105, 110-114)
1	Upper Colaba ...	3	...	...	...	...	4	1	...	...	...	1	...	1	...	...	...	3	...	...	2	...	1	7	3
1	Middle & Lower Colaba	6	...	...	...	1	26	4	2	...	4	2	...	1	1	1	2	11	1	11	21	2	32	107	20
1	Fort, Southern ...	2	...	...	...	...	5	2	...	...	...	1	...	...	...	...	...	1	...	2	2	...	1	8	1
2	Fort, Northern ...	14	...	...	...	1	49	11	1	2	1	1	...	2	...	...	2	11	1	13	21	13	9	101	28
2	Esplanade ...	9	...	...	...	2	64	7	2	1	...	...	...	...	...	1	1	9	6	14	17	3	16	25	20
3	Mandvi ...	10	3	...	...	2	26	9	1	...	1	1	...	1	...	1	1	7	5	6	4	1	12	220	60
3	Chukla ...	3	...	...	...	...	7	3	...	...	...	1	...	...	...	...	1	1	1	1	3	1	3	72	24
4	Umarkhadi ...	8	1	...	...	3	38	22	3	...	2	...	...	2	...	2	...	7	...	13	12	5	3	217	112
4	Dongri ...	8	1	...	1	1	42	16	...	1	...	...	1	1	...	2	...	4	...	10	13	5	2	65	45
5	Khara Talao ...	6	1	...	...	...	28	9	...	...	...	...	...	1	...	...	...	2	1	4	6	1	48	145	23
5	Kumbharwada ...	10	...	...	...	...	26	15	1	...	1	...	...	1	...	2	...	6	...	5	3	1	90	221	43
6	Bhuleshwar ...	19	...	...	...	2	30	14	...	...	...	...	...	2	...	...	...	8	2	6	7	1	61	238	31
6	Market ...	27	...	...	...	1	22	7	...	...	2	1	...	1	...	...	1	3	5	7	12	5	9	150	17
7	Dhobi Talao ...	87	...	...	...	2	62	19	...	...	4	1	...	...	...	5	1	14	4	17	22	7	21	296	40
7	Fanaswadi ...	42	...	...	...	...	30	9	...	1	4	1	...	2	1	2	2	1	1	14	16	2	18	238	31
8	Khetwadi ...	39	...	...	1	1	57	28	...	2	1	...	...	1	3	2	2	14	6	17	19	4	2	260	41
8	Tardeo ...	7	3	...	...	4	33	12	...	...	1	...	...	...	1	2	1	13	4	10	6	5	3	300	31
9	Girgaum ...	69	...	...	2	2	41	23	3	...	1	1	...	2	3	2	2	11	2	14	19	6	4	252	26
9	Chowpati ...	12	1	...	...	1	20	4	...	1	...	1	...	1	...	1	...	3	...	6	11	3	2	70	8
10	Walkeshwar ...	9	...	...	...	...	9	4	...	1	...	...	...	2	1	2	1	13	2	6	19	4	2	83	9
10	Mahalakshmi ...	18	...	...	...	3	37	20	2	2	...	1	...	1	...	1	1	10	3	12	27	4	2	261	46
11	Mazagaon ...	13	1	...	...	1	38	11	1	...	...	...	...	1	1	...	...	7	2	10	14	1	1	263	58
11	Tarwadi ...	11	...	...	...	1	86	13	...	...	...	...	...	...	2	3	1	7	2	6	14	3	2	230	51
12	1st Nagpada ...	4	...	...	...	...	7	9	...	...	...	...	...	...	...	...	...	3	1	3	1	...	7	105	20
12	2nd Nagpada ...	17	1	...	...	2	299	16	2	...	...	...	...	1	...	...	1	4	1	15	15	8	25	183	69
12	Kamathipura ...	6	1	...	...	3	36	19	2	...	...	...	...	...	2	1	...	...	...	1	4	4	18	353	81
13	Byculla ...	67	8	...	...	13	112	31	3	...	1	...	...	1	1	1	2	15	2	11	27	3	50	783	124
14	Parel ...	47	1	...	1	2	102	51	5	1	...	2	...	4	...	...	1	18	4	19	23	10	31	424	67
15	Sewri ...	6	...	...	...	...	10	3	1	...	...	...	...	...	1	...	...	2	...	3	1	1	4	269	68
15	Naigaum ...	9	1	...	...	1	44	32	1	...	4	2	...	...	1	1	...	6	1	10	9	3	6	324	71
16	Matunga	12	...	...	...	3	24	8	...	...	...	2	...	3	1	1	2	11	4	8	27	10	8	101	23
16	Sion ...	18	...	...	1	1	17	8	...	...	...	...	...	...	...	1	...	6	1	10	6	1	4	255	18
17	Dadar	19	...	...	3	5	35	10	5	...	2	2	1	2	1	...	...	6	1	8	11	4	9	457	74
17	Mahim ...	17	...	...	1	2	41	16	...	...	3	3	...	1	2	1	1	8	1	10	20	6	7	216	50
18	Parbhadevi	8	2	...	...	3	34	20	2	1	6	1	...	...	1	...	...	5	1	7	14	3	7	191	17
18	Worli ...	11	1	...	...	...	24	12	2	...	1	1	...	...	...	...	...	4	...	13	9	2	21	525	17
19	Chinch pokli	13	...	...	...	2	46	15	2	...	...	1	...	...	...	4	...	...	3	10	4	4	16	499	18
19	Love Grove Harbour, Docks etc.	...	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	1	25	...
	Total ...	686	26	...	10	65	1611	514	41	13	39	27	2	36	23	39	26	254	68	332	461	138	558	8589	1485
		1	2	3	4	5	6	7	8	9	10	11	12	13 M	13 F	14	15	16	17	18	19	20	21	22	23

No. 10.

AND SECTIONS IN 1947.

24	25	26	27	28	29	30	31	32	33	34	35	36														
												Other defined Diseases														
Ulceration of stomach or duodenum (117)	Diarrhoea (119, 120)	Appendicitis (121)	Other Digestive Diseases (115, 116, 118, 122-129)	Nephritis (130-132)	Puerperal and Post abortive Sepsis (140, 147)	Other Maternal Causes (141-146, 148-150).	Premature birth (159).	Congenital malformation, birth injury (157, 158, 160, 161)	Suicide (163-164).	Road traffic accident (170-171).	Other Violent Causes (165-169, 172-198)	A	B	C	D	E	F	G	H	J	K	L	M	Still-born.	TOTAL.
												Small-pox (34).	Plague (3).	Kala Azar (29).	Malaria (28A).	Ague and Remittent fever (28B).	Relapsing fever (31).	Fever not Defined (200:2a).	Cholera (4).	Dysentery (27).	Leprosy (23).	Senility and old age (162)	All other causes		
1	3	2	...	...	...	1	4	7	...	...	3	...	...	...	...	...	...	...	...	...	...	3	11	1	61
2	25	1	11	5	1	1	26	48	4	5	26	...	...	...	1	1	...	4	...	6	...	41	80	47	543
1	2	...	6	2	...	...	6	8	...	1	3	...	...	...	1	...	...	1	...	1	...	5	15	11	77
2	28	...	17	8	...	2	29	42	3	7	26	1	...	...	4	1	...	7	...	8	...	45	134	63	645
1	29	...	18	6	1	1	31	42	...	1	23	...	...	2	4	3	...	3	...	10	...	36	92	45	550
1	12	1	12	3	...	1	24	33	3	10	28	1	...	1	...	3	...	6	...	11	...	48	163	60	732
2	6	...	3	1	...	...	6	18	...	2	13	...	...	...	1	...	...	...	...	3	...	30	48	20	254
...	50	2	17	4	1	4	29	139	4	3	27	...	...	...	2	4	...	6	...	6	...	143	315	90	1,206
1	20	...	6	5	...	3	24	76	3	4	23	2	...	...	1	1	...	3	...	6	...	40	113	53	549
...	13	...	5	8	1	...	19	38	...	1	20	...	...	...	2	1	...	3	...	...	...	77	82	48	545
...	14	1	18	6	...	1	23	69	2	3	22	...	...	...	...	1	...	3	1	1	...	90	106	54	786
1	23	...	12	8	1	2	24	77	3	4	29	1	1	...	1	5	...	2	...	4	...	149	147	77	917
...	15	...	23	5	...	2	15	31	1	4	29	1	...	...	5	13	...	5	...	12	1	44	125	56	601
...	65	1	28	8	...	1	48	53	...	6	27	...	...	...	5	10	...	8	...	19	...	99	257	98	1,237
4	29	1	27	4	...	1	33	40	1	4	22	1	...	...	...	18	...	9	1	10	...	88	180	70	888
2	26	...	44	16	...	5	40	83	2	3	38	...	...	...	4	7	...	6	...	3	1	110	299	107	1,189
2	26	...	18	9	...	2	18	60	3	...	26	...	...	...	1	8	...	6	...	8	...	90	273	57	986
1	27	1	26	6	1	4	39	66	3	9	25	...	...	...	2	13	...	9	1	7	...	138	281	94	1,144
...	9	2	15	7	...	...	18	18	1	...	14	...	...	1	4	7	...	2	...	3	1	45	76	40	368
...	6	1	14	7	1	3	11	27	...	5	11	...	...	...	1	...	...	...	...	5	...	56	106	30	421
...	21	...	20	9	1	1	37	88	3	2	24	...	...	...	2	6	...	5	...	3	...	114	289	107	1,076
1	29	...	18	3	1	6	26	137	...	10	52	...	...	...	6	15	...	5	...	10	...	132	237	87	1,111
...	22	...	18	5	...	2	28	77	1	2	27	1	...	...	...	19	...	7	...	7	...	120	220	58	988
...	14	...	2	2	...	1	12	38	...	1	14	...	...	...	1	8	...	1	...	2	...	31	88	21	375
...	34	2	21	13	1	3	40	68	9	35	343	...	...	2	4	16	...	2	1	9	3	136	332	137	1,733
...	39	...	12	1	...	2	43	144	1	5	29	...	...	...	...	25	...	1	...	8	...	168	284	85	1,293
2	151	1	32	11	2	8	63	299	4	9	76	3	...	...	5	42	...	8	18	15	1	292	599	178	2,896
2	95	2	74	8	1	9	72	170	7	12	69	1	...	...	4	40	...	6	1	31	...	188	514	175	2,119
...	37	...	9	...	...	1	18	103	3	5	32	3	...	...	2	26	...	10	...	5	...	65	197	62	885
...	39	1	15	6	2	1	45	203	6	7	47	...	...	...	3	41	...	6	1	9	...	147	283	110	1,388
...	37	2	21	5	...	2	14	55	1	1	18	...	...	...	2	9	...	6	...	6	2	75	136	65	640
...	52	...	9	3	3	2	16	149	...	4	31	1	...	...	1	17	...	7	...	3	61	109	219	64	1,034
1	71	1	22	1	1	4	42	209	3	4	34	...	2	...	6	59	...	6	1	32	...	163	301	130	1,618
1	54	3	15	6	2	2	44	138	2	4	27	...	...	1	3	33	...	10	...	16	...	150	223	109	1,140
...	76	1	24	1	4	1	36	331	2	4	27	...	1	...	7	194	...	9	1	76	...	252	479	147	1,849
1	67	1	24	2	1	...	38	861	1	4	24	...	...	...	6	66	...	7	1	36	...	159	506	167	1,773
1	73	1	9	4	...	1	45	174	2	7	54	2	...	...	1	19	...	5	2	17	...	213	607	109	1,874
...	...	...	1	...	...	...	1	7	...	...	14	...	...	...	...	...	...	...	...	2	...	9	14	2	76
...	...	...	...	...	...	...	...	...	...	...	52	...	...	...	...	...	...	...	...	...	...	...	...	...	52
30	**1339**	**28**	**666**	**198**	**26**	**80**	**1087**	**3551**	**78**	**188**	**1429**	**18**	**4**	**7**	**92**	**731**	**...**	**184**	**29**	**410**	**7 0**	**3900**	**8431**	**2934**	**37,619**
24	25	26	27	28	29	30	31	32	33	34	35	A	B	C	D	E	F	G	H	J	K	L	M		

Table No. 11.

COMPARATIVE TABLE OF DEATHS FROM SOME OF THE PRINCIPAL CAUSES AND BIRTHS DURING 1947 AND THE PRECEDING 10 YEARS.

Year.	Births (excluding still-births).		Total Deaths.		Plague.		Small-pox.		Measles.		Cholera.		Influenza.		Enteric Fever.		Malaria.		Ague and Remittent Fever.		Tuberculosis.		Diarrhoea, Enteritis and Dysentery.		Respiratory Diseases.		Maternal Deaths.		Deaths under 1 year.		Deaths of Children (1 to 5 years.)		
	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000;	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000.	No. Registered.	Rate per 1,000. Births Registered.	No. Registered.	Rate per 1,000. Births Registered.	No. Registered.	Percentage to total deaths.	Still-born.
1937 ...	35,455	30.5	30,768	26.5	...	0.0	688	0.6	211	0.2	4	0.0	68	0.1	344	0.3	73	0.1	1,298	1.1	2,037	1.7	1,662	1.4	11,241	9.7	165	4.4	8,688	245.0	5,740	18.7	2,340
1938 ...	36,748	31.6	35,999	31.0	...	0.0	1,862	1.6	269	0.2	1	0.0	80	0.1	507	0.4	103	0.1	1,065	0.9	2,078	1.8	1,862	1.6	13,584	11.7	186	4.7	9,801	267.0	7,111	19.7	2,565
1939 ...	37,822	32.6	30,520	26.3	...	0.0	201	0.2	102	0.2	...	0.0	58	0.0	249	0.2	171	0.1	761	0.6	2,034	1.7	1,551	1.3	10,772	9.3	169	4.2	8,008	211.7	4,575	15.0	2,726
1940 ...	38,833	33.4	29,100	25.0	...	0.0	834	0.7	243	0.2	6	0.0	42	0.0	399	0.3	98	0.1	732	0.6	1,934	1.7	1,270	1.1	9,441	8.1	166	4.0	7,823	201.4	4,763	16.4	2,652
1941 ...	39,954	26.8	31,096	20.9	...	...	1,293	0.8	199	0.1	7	0.0	44	0.0	554	0.4	88	0.5	668	0.4	1,692	1.7	1,374	0.9	10,186	6.8	152	3.6	8,445	211.4	5,052	16.2	2,654
1942 ...	31,536	21.2	25,177	16.9	...	0.0	591	0.4	186	0.1	...	0.0	28	0.0	375	0.2	109	0.1	400	0.3	1,581	1.0	1,132	0.8	7,698	5.2	122	3.6	6,164	195.4	3,825	15.2	2,009
1943 ...	44,015	29.5	34,165	22.9	2	0.0	519	0.3	303	0.2	9	0.0	53	0.0	567	0.4	154	0.1	797	0.5	1,950	1.3	1,744	1.2	11,139	7.5	143	3.0	8,690	197.4	6,164	18.2	3,129
1944 ...	56,907	38.2	41,882	28.1	...	0.0	1,391	0.9	734	0.5	...	0.0	37	0.0	459	0.3	160	0.1	859	0.6	2,006	1.3	1,735	1.2	13,990	9.4	194	3.4	11,552	203.0	7,484	17.8	3,374
1945 ...	53,170	35.7	40,215	27.0	8	0.0	235	1.15	160	0.1	30	0.2	32	0.2	616	0.4	96	0.06	1,008	0.7	1,981	1.3	1,701	1.2	13,771	8.6	133	2.5	10,125	190.3	7,418	18.4	3,398
1946 ...	53,469	35.9	41,264	27.7	4	0.0	858	0.6	625	0.4	2	0.0	14	0.0	513	0.3	94	0.1	1,048	0.7	1,914	1.3	1,411	0.9	13,346	9.0	148	2.7	10,446	195.4	7,111	17.2	3,097
Average of 1937-46	42,790	31.4	34,018	25.7	1	0.0	847	0.6	303	0.2	5	0.0	45	0.0	458	0.3	114	0.1	863	0.6	1,920	1.4	1,544	1.1	11,516	8.5	157	3.6	8,974	209.7	5,924	17.4	2,794
Average of 1942-46	47,819	32.0	36,540	24.5	3	0.0	718	0.5	401	0.3	8	0.0	32	0.0	506	0.3	122	0.1	822	0.6	1,886	1.3	1,544	1.0	11,988	8.0	148	3.0	9,395	196.4	6,400	17.5	3,001
1947 ...	**50,833**	**34.1**	**37,619**	**25.2**	**4**	**0.0**	**18**	**0.0**	**39**	**0.0**	**29**	**0.0**	**13**	**0.0**	**686**	**0.5**	**92**	**0.06**	**731**	**0.5**	**2,125**	**1.4**	**1,749**	**1.2**	**10,632**	**7.1**	**106**	**2.1**	**8,471**	**166.6**	**6,644**	**17.7**	**2,934**

Table No. 12.

TABLE OF DEATHS BY CAUSES AND MONTHS IN 1947.

Classification No. Short List.	Classification No. Detailed List.	Specific Causes of Death.	Jan.	Feb.	March	April	May	June	July	August	Sep.	Oct.	Nov.	Dec.	Total.
		I.—Infective and Parasitic Diseases.													
		(1-26) Diseases due to bacteria—													
1	1	Typhoid Fever ...	18	45	40	38	57	62	51	70	66	74	105	60	686
1	2	Para-typhoid Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...
B	3	Plague ...	2	...	...	2	...	...	...	...	...	...	...	...	4
H	4	Cholera ...	...	...	...	...	2	...	19	8	...	...	...	...	29
2	6	Cerebro-spinal Meningitis ...	2	...	3	5	2	5	1	1	3	1	1	2	26
4	9	Whooping Cough ...	...	3	...	2	1	1	2	...	...	...	1	...	10
5	10	Diphtheria ...	4	5	3	3	5	3	7	7	4	8	7	9	65
36	11	Erysipelas ...	...	...	...	...	...	...	...	...	...	...	...	...	...
36	12	Tetanus ...	16	21	23	16	18	22	15	20	25	19	18	25	238
		(13-22) Tuberculosis (all forms)—													
6	13	Tuberculosis of the Respiratory System ...	121	88	124	115	133	131	132	135	149	168	164	151	1,611
	14	Tuberculosis of the Meninges and Central Nervous System ...	31	38	34	33	25	33	22	40	31	39	41	47	414
	15	Tuberculosis of the Intestines and Peritonium	9	4	4	8	4	1	7	8	10	7	4	8	74
	16	Tuberculosis of the Vertibral Column ...	3	1	2	1	2	1	2	3	1	...	...	1	17
	17	Tuberculosis of other bones and joints ...	1	...	2	1	...	...	...	...	...	...	...	...	4
7	18	Tuberculosis of the Skin and Subcutaneous Cellular Tissue ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	19	Tuberculosis of the Lymphatic System ...	...	...	1	...	...	...	...	...	...	...	...	...	1
	20	Tuberculosis of the Genito Urinary System	...	...	...	...	...	...	...	...	...	...	...	...	..
	21	Tuberculosis of other organs ...	1	...	...	...	...	...	...	...	...	...	...	...	1
	22	Disseminated Tuberculosis ...	...	...	...	...	1	...	...	1	...	1	...	...	3
K	23	Leprosy ...	5	7	3	5	3	3	5	9	6	3	9	12	70
36	24	Purulent Infection and Septicacemia ...	3	6	7	12	11	8	12	7	5	11	6	10	98
36	25	Gonococcal Infection ...	...	...	...	...	...	...	...	...	...	...	...	...	...
J	27	Dysentery ...	20	16	19	28	31	25	48	53	48	36	43	43	410
D	28(a)	Malaria ...	7	6	3	5	9	14	6	5	7	7	13	10	92
E	28(b)	Remittent Fever ...	27	26	42	47	70	88	55	66	76	67	69	98	731
C	29(a)	Kala Azar ...	1	1	1	...	...	...	1	2	...	...	1	...	7
36	29(b)	Other diseases duo to parasitic Protoza except Spriochaetes ...	...	...	...	...	...	...	...	...	...	...	1	...	1
8	30	Syphilis ...	...	...	...	...	...	1	1	1	...	1	1	1	6
		(a) Locomotor Ataxia (Tabes dorsalis) ...	...	...	...	...	1	...	...	1	...	...	...	...	2
		(b) General Paralysis of the Insane ...	...	1	...	...	...	...	...	1	...	...	...	...	2
		(c) Aneurysm of Aorta ...	2	...	...	...	2	1	3	1	...	...	1	1	11
		(D) Other forms of Syphilis ...	...	2	5	...	...	...	...	...	...	...	...	...	7
		(a) Congenital Syphilis ...	2	2	...	2	...	1	1	...	1	2	...	...	11
		(b. c. d.) Other or Unspecified Syphilis ...	...	...	...	...	...	...	...	...	...	1	...	1	2
36	32	Other Diseases due to Spiro Chaetes ...	...	...	...	1	...	...	...	...	...	...	...	...	1
	9 : 33	Influenza ...													
		(a) With respiratory complications ...	1	...	1	2	...	1	...	2	3	1	1	1	13
		(b) Without respiratory complications ...	...	...	...	...	...	...	...	...	...	...	...	...	..
A	34	Small-pox ...	1	...	...	1	1	...	2	2	2	1	4	4	18
10	35	Measles ...	2	2	1	2	6	6	3	...	...	4	5	8	39
11	36 : 1	Acute Poliomyelitis ...	...	1	1	3	...	2	1	5	2	3	1	1	20
	36 : 2	Acute Polioencephalitis ...	...	...	...	...	1	1	...	...	3	...	1	1	7
12	37	Acute Infectious Encephalitis (Lethargic or Epidemic) ...	...	...	...	...	1	...	...	...	...	...	1	...	2
36	38	Other Diseases due to Viruses—													
		(c) Herpes Zoster ...	...	...	2	...	...	...	...	...	...	...	2	...	4
		(e) Varicella (Chickenpox) ...	...	...	...	...	1	...	...	...	...	...	...	...	1
36	39	Typhus ...	...	...	...	...	1	...	1	...	1	...	...	...	3
36	42	Other diseases due to Helminths ...	...	...	...	2	...	...	...	...	...	1	1	...	4
36	44	Other Infective or Parasitic Diseases—													
		(a) Venereal diseases (other than syphilis and Gonorrhoea) ...	...	...	...	...	...	...	1	...	...	...	...	...	1
		(b) Pernicious lympho granulomatosis (Hodgk ns diseases) ...	...	1	1	...	...	...	1	...	...	1	...	...	4
		(c) Mumps ...	...	1	...	...	...	...	...	...	...	1	...	...	2
		II.—Cancer and other Tumours.													
13	45*	Cancer of the Buccal Cavity and Pharynx													
		(a) Lips Males ...	...	...	...	1	...	...	...	...	...	...	...	...	1
		Females ...	...	...	...	2	...	...	...	...	...	...	...	...	2
		(b) Tongue Males ...	...	...	2	...	...	...	...	3	...	2	1	1	9
		Females ...	...	...	...	...	1	1	...	...	...	...	...	...	2
		(c) Other and Unspecified sites Males ...	1	3	2	2	...	...	1	...	...	...	3	...	12
		Females ...	...	...	1	...	1	...	2	...	...	...	...	...	4
	46	Cancer of the digestive organs and peritonium													
		*(a) Oesophagus Males ...	1	3	5	...	...	1	1	...	3	...	...	...	14
		Females ...	...	...	1	...	1	1	1	...	...	...	...	2	6
14		(b) Stomach and duodenum ...	4	6	6	4	3	2	2	3	...	3	3	3	39
16		(c) Intestines other than duodenum or rectum ...	1	3	3	2	3	3	3	3	1	2	...	1	25
		(d) Rectum ...	5	2	3	1	...	3	2	...	3	1	...	3	23

*Males are tabulated in short list No. 13 and females in No 16. of detailed list Nos. 45, 46a.

Table No. 12—(Contd.)

TABLE OF DEATHS BY CAUSES AND MONTHS IN 1947—(*Contd.*)

Classification No. Short List.	Classification No. Detailed List.	Specific Causes of Death.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct	Nov.	Dec.	Total.
		II.—Cancer and other Tumours—(Contd.)													
		(*e*) Liver and biliary passages ...	1	...	1	6	3	2	1	...	1	1	1	3	20
		(*f*) Pancreas ...	2	...	...	...	...	...	...	..	1	...	1	...	4
16		(*g*) Peritonium ...	1	...	1	...	...	...	...	...	...	...	...	...	2
		(*h*) Other or Unspecified digestive organs...	...	1	1	...	...	...	...	1	1	...	...	...	4
16	47	Cancer of the respiratory system	1	...	...	...	...	...	...	...	...	...	...	...	1
		(*a*) Larynx and trachar ...	...	1	...	...	1	1	1	1	2	...	1	1	9
		(*b*) Bronchi, lung and pleural ...	...	1	2	...	3	4	3	1	1	1	1	4	21
13	48	Cancer of the Uterus ...	...	2	...	...	...	...	1	...	...	...	3	...	6
		(*a*) Cervix Uteri ...	3	1	...	...	...	...	3	...	2	3	1	...	13
		(*b*) Other Unspecified sites ...	2	1	1	...	...	...	...	...	...	...	...	...	4
16	49	Cancer of other female genital organs ...	1	...	...	...	...	2	...	...	...	2	1	1	7
15	50	Cancer of the breast ...	2	2	2	2	4	4	4	3	1	2	...	...	26
	51	Cancer of the male genital organs ...							...	...	...	...	...	...	...
		(*a*) Scrotum ...	...	...	...	...	...	1	...	..	...	...	...	...	1
		(*b*) Prostate ...	1	...	...	1	...	1	...	...	...	...	...	...	3
		(*c*) Other or unspecified male genital organs	2	...	1	1	...	...	...	...	...	...	1	...	5
	52	Cancer of the male and female urinary organs	...	2	...	...	1	1	...	3	1	...	...	1	9
	53	Cancer of the Skin (Scrotum excepted) ...	...	...	...	...	...	...	...	...	...	...	1	...	1
	54	Cancer of the brain and other parts of Nervous system ...	...	...	1	...	...	3	3	2	2	...	...	1	12
16		(*b*) Sarcoma ...	...	1	...	...	1	...	...	...	...	...	...	...	2
	55	Cancer of other or Unspecified organs ...													
		(*a*) Adrenal glands ...	...	...	...	...	1	...	...	...	...	...	...	...	1
		(*b*) Bones ...	1	...	1	...	...	...	...	...	1	1	1	1	6
		(*c*) Thyroid gland ...	...	...	...	2	...	...	...	...	...	1	...	...	3
		(*d*) Others included under 55 ...	3	5	7	10	10	6	4	9	6	9	5	7	81
		Tumours:—													
	56	Non-malignant Tumours ...	...	...	...	1	...	1	1	1	1	...	...	1	6
		(*a*) Ovaries ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*d*) Brain and other parts of Nervous system	...	...	...	...	...	...	...	...	...	1	...	...	1
		(*e*) Other and Unspecified organs ...	...	...	...	...	...	...	...	...	...	...	...	1	1
	57	Tumours of Undetermined Nature ...	...	...	1	2	...	...	...	...	...	...	...	...	3
		(*d*) Brain and other parts of Nervous system	...	...	...	1	1	...	...	...	...	...	...	...	2
36		*III.—Rheumatism, Diseases of Nutrition and of the Endocrine Glands and other General Diseases.*													
	58	Rheumatic fever ...	2	...	3	4	2	...	...	...	1	1	2	1	16
	59-1	Rheumatoid Arthritis ...	...	...	...	1	...	...	...	...	...	...	...	...	1
	59-2	Other Chronic articular Rheumatism ...	...	...	...	...	...	...	...	...	...	2	...	1	3
	59-3	Other forms of Chronic Rheumatism ...	...	...	...	...	...	1	...	...	...	...	...	...	1
17	61	Diabetis Mellitus ...	4	1	11	6	5	9	9	4	4	5	5	5	68
	63	Diseases of the Thyroid and parathyroid													
		(*a*) Simple Goitre ...	...	...	...	...	...	...	...	...	1	...	...	...	1
		(*b*) Exophthaemic Goitre ...	...	...	2	...	...	...	...	...	...	...	...	...	2
		(*c*) Myxoedema Cretinism ...	...	...	...	2	...	...	...	...	...	...	...	...	2
		(*d*) Other diseases of thyroid glands ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*e*) Diseases of the parathyroid glands ...	...	...	...	...	1	...	...	...	...	...	...	...	1
	65	Diseases of the adrenal glands (not specified as Tuberculosis) ...	...	...	...	...	...	...	...	...	...	1	...	...	1
	66	Other General diseases ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*a*) Osteomelacia ...	...	...	1	...	...	...	...	...	...	...	...	...	1
		(*b*) Other Diseases included under 66 ...	...	1	1	...	1	...	...	9	...	...	...	...	12
		(1) Pink Disease ...	...	...	...	...	...	...	...	...	1	...	...	...	1
		(2) Idiopathic Steatorrhoea (Sprue etc.) ...	...	3	2	...	...	1	1	1	1	...	2	1	12
		(*c*) Other diseases included under 66(*b*) ...	4	...	...	4	4	5	6	1	5	4	10	9	52
	67	Scurvy ...	...	...	1	...	...	1	...	1	...	...	...	...	3
	68	Beri-Beri ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	69	Pellagra ...	...	...	...	...	...	...	...	1	...	...	...	...	1
	70	Rickets ...	65	68	112	116	174	250	276	229	199	183	169	182	2,023
	71	Other Vitamin Deficiency Diseases ...	...	1	...	...	...	1	1	...	...	...	1	1	5
		IV.—Diseases of the blood and blood forming Organs.													
36	72	Haemorrhagic Conditions ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*a*) Primary Purpura ...	1	2	...	...	...	...	...	...	1	...	...	...	4
		(*b*) Haemophatia ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	73	Anaemia ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*a*) Pernicious anaemia ...	1	1	...	...	1	...	...	...	...	...	...	...	3
		(*b. c. d.*) Other anaemias and chlorosis ...	254	243	259	266	288	281	335	381	380	352	298	324	3,661
	74(*a*)	Leukaemia ...	1	...	1	2	3	...	3	...	3	1	3	1	18
	75	Diseases of the Spleen ...	1	...	...	1	2	...	...	...	...	...	...	1	5
	76	Other diseases of the Blood and Blood forming organs ...	...	...	...	...	...	1	...	1	...	...	...	...	2
		V.—Chronic Poisoning and Intoxication.													
	78	Lead Poisoning ...													
		(*a*) Specified as occupational ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*b*) Not specified as occupational ...	...	...	...	...	...	1	1	...	...	...	...	...	2
		Alchanism (Acute or chronic)													
		(*c*) Unspecified Alcholism ...	...	...	...	1	1	...	...	...	...	...	...	...	2

Table No. 12—(Contd.)

TABLE OF DEATHS BY CAUSES AND MONTHS IN 1947—(*Contd.*)

Classification No. Short List.	Classification No. Detailed List.	Specific Causes of Death.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
		V. Chronic Poisoning and Intoxication—contd													
	79	Chronic poisoning by other mineral and organic substances	...	...	...	...	...	...	...	...	...	...	...	...	...
		(c) Other non-occupational chronic poisoning	...	...	...	...	1	...	...	...	...	...	...	...	1
		VI.—Diseases of the nervous system and sense organs.													
36	80	Encephalitis (non-epidemic)—													
		(a) Intra Cranial abscess ...	8	...	1	...	3	1	...	...	...	...	1	1	15
		(b) Other diseases included under 80 ...	13	2	11	4	15	13	12	9	8	9	4	7	107
	81	Meningitis (non-menigococcal) ...	1	7	13	14	21	19	21	14	16	14	13	8	161
	82	Diseases of Medulla and Spinal cord ...	...	...	3	1	...	...	...	...	...	...	1	1	6
18	83	Intracranial Lesions of Vascular origin—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Cerebral Haemorrhage ...	5	1	6	7	19	8	16	10	14	13	15	25	139
		(b) Cerebral Embolism and Thrombosis ...	...	4	7	8	6	3	5	9	...	4	1	1	48
		(c) Softening of Brain ...	12	1	...	...	...	...	...	...	...	...	3	3	19
		(d) Hemiplegia and other paralysis of unstated origin ...	1	9	5	10	10	8	12	11	10	16	9	10	111
		(e) Other Intra-cranial effusions ...	7	2	1	1	...	...	...	...	1	...	1	2	15
		Mental Disorder and Deficiency ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	84	(a) Mental eficiency ...	...	...	...	1	1	...	...	...	...	...	...	...	2
		(d) Other mental disorders iucluded under 84 ...	...	...	...	...	...	...	1	...	...	...	...	...	1
	85	Epilepsy ...	3	4	...	3	...	1	1	1	1	2	...	3	19
	86	Convulsions in children under 5 years of age	17	16	32	24	63	35	32	39	33	42	34	38	405
	87	Other Diseases of the Nervous System—													
36		(b) Neuritis (non-Rheumatic) ...	1	...	...	1	1	...	...	1	...	1	...	...	5
		(c) Paralysis agitans ...	...	1	...	...	1	...	...	...	...	...	...	1	3
		(d) Dcsseminated Sclerosis ...	...	...	...	...	...	...	...	...	...	1	...	...	1
		(e) Other diseases included under 87 ...	...	...	...	1	1	...	1	...	...	...	1	...	4
		(2) Other diseases included under 87(e) ...	...	...	...	...	...	1	...	...	...	...	...	...	1
	89	Diseases of the Ear and of the Mastoid Antrum—													
		(a) Olitis and other diseases of the Ear ...	1	...	...	...	...	...	...	...	...	...	...	1	2
		(b) Diseases of the Mastoid Antrum ...	...	...	...	...	...	...	...	1	1	...	...	...	2
		VII.—Diseases of the Circulatory System.													
	90	Pericarditis ...	2	1	1	1	...	1	2	2	...	6	...	...	16
	91	Acute Endocarditis ...	...	1	2	3	...	...	...	1	...	...	1	...	8
	92abc	Chronic Affections of the valves and endocardium ...	2	2	5	7	10	4	5	...	9	9	8	6	67
	93a	Acute Myocarditis ...	...	...	1	...	...	...	...	...	...	...	...	...	1
	93c	(1) Cardio vascular degeneration ...	2	1	2	...	...	...	...	1	...	...	2	...	8
		(3) Other Myocardial degeneration ...	2	2	...	7	1	...	1	1	2	...	...	1	17
19	93d	Myocarditis (not distinginshed as acute or chronic) ...	3	...	1	...	1	3	1	2	1	3	1	...	16
	94	Diseases of the Coronary Arteries, Angina Pectoris ...	17	16	19	25	23	29	20	14	23	34	28	28	276
	95	Other Diseases of the Heart—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(a) Functional heart disease (without mention of organic lesion) ...	1	1	1	1	1	1	...	1	...	1	...	1	9
		(c) Other diseases included under 95 ...	4	5	4	5	4	2	1	6	3	2	3	4	43
	97	Arterio Sclerosis (excluding Coronary or Renal Sclerosis or Cerebral Haemorrhage)	...	...	1	1	1	4	1	1	2	1	1	2	15
	98	Gangrene ...	...	1	6	2	1	...	1	...	1	3	4	3	22
	99	Other Diseases of the arteries ...	...	1	...	1	...	4	2	...	2	...	2	1	13
20	100	Diseases of the Veins—													
		(a) Varices ...	...	1	2	...	...	...	1	1	...	...	...	...	5
		(b) Other diseases of the Veins ...	...	3	1	1	...	...	1	...	1	...	1	...	8
	101	Diseases of the Lymphatic system ...	...	...	...	...	...	...	...	...	...	1	...	1	2
	102	High Blood Pressure (Idiopathic) ...	2	4	2	5	1	1	1	4	4	5	6	6	41
	103	Other Diseases of the Circulatory system ...	1	1	...	1	5	3	3	4	4	4	3	3	32
		VIII.—Diseases of the Respiratory System.													
23	105	Diseases of the Larynx ...	...	...	...	1	...	...	1	...	...	2	1	...	5
21	106A	Acute Bronchitis ...	2	1	...	1	...	...	...	...	1	1	...	...	6
	106B	Chronic Bronchitis ...	59	44	47	43	38	58	40	25	49	51	37	38	529
	106C	Bronchitis (not distinguished as acute or chronic) ...	2	...	9	7	1	2	2	...	...	...	...	...	23
22	107	Broncho Pneumonia ...	388	318	322	367	389	410	426	544	532	505	525	578	5304
	108	Lobar Pneumonia ...	7	8	13	8	10	15	5	14	9	11	7	9	116
	109	Pneumonia (Unspecified) ...	216	195	221	262	274	249	231	293	307	325	323	273	3169

Table No. 12—(Contd.)

TABLE OF DEATHS BY CAUSES AND MONTHS IN 1947—(*Contd.*)

Classification No.		Specific Causes of Death.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Short List.	Detailed List														
		VIII.—Diseases of the Respiratory System—(Contd.)													
	110A	Empyema ...	3	1	2	6	4	...	1	3	1	1	...	2	24
	110B	Other or Unspecified forms of Pleurisy ...	1	2	5	2	3	2	4	3	4	7	4	4	41
	111	Congestion Oedema Haemorrhagic infection and Thrombosis of Lungs ...	11	16	18	23	12	11	22	12	23	13	12	15	188
	112	Asthma ...	90	80	91	88	87	93	92	98	123	142	104	96	1,184
	113	Pulmonary Emphysema ...	...	...	...	1	1	1	...	...	...	3	...	...	6
	114A	Silicosis and other occupational Pneumoconioses ...	...	2	...	...	...	...	...	...	1	...	...	...	3
23	114B	Other occupational Respiratory Diseases...	...	...	1	...	...	...	...	1	...	1	...	...	3
	114C	Gangrene of Lung ...	...	1	3	...	...	...	...	...	...	...	...	...	4
	114D	Abscess of Lung ...	...	3	3	1	3	...	3	2	2	2	2	1	22
	114E	Other Diseases included under 114 not specified as occupational ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(1) Chronic interstitial Pneumonia not indicated as occupational ...	1	...	...	...	...	...	...	...	1	...	...	...	2
		(2) Other Diseases included under 114(E).	...	...	...	1	1	...	...	...	...	1	...	...	3
		IX.—Diseases of the Digestive System.													
	115a	Diseases of the teeth and gums ...	...	1	...	...	...	...	...	...	...	...	...	...	1
	115b	Septic sore throat—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(1) With mention of tonsillectomy ...	...	...	...	...	...	...	...	1	1	1	...	...	3
		(2) Others with mention of tonsils ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(3) Other Diseases included under 115 (b)													
27	115c	Other Diseases of the Pharynx and tonsils ...	...	...	...	...	...	...	...	...	1	...	...	...	1
		(1) With mention of tonsillectomy ...	...	...	...	1	...	...	1	...	...	...	...	...	2
		(2) Others with mention of tonsils ...	...	...	...	...	...	...	...	...	...	...	...	1	1
		(3) Other Diseases included under 115(c).	...	...	...	...	...	...	...	...	...	...	...	...	...
	115d	Other diseases included under 115 ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	116	Diseases of the Oesophagus ...	...	...	2	...	...	...	...	...	...	...	...	...	2
24	117	Ulcer of the stomach or duodenun —	...	...	1	...	...	...	...	...	...	...	...	1	2
		(a) Ulcer of the stomach ...	3	3	2	3	2	...	1	2	...	1	2	1	20
		(b) Ulcer of the duodenum ...	1	1	...	3	1	...	1	...	...	...	1	...	8
27	118	Other diseases of the stomach ...	2	1	2	3	4	2	1	2	3	3	...	2	25
25	119-120	Enteritis and Diarrhoea ...	46	47	64	89	121	118	146	241	177	96	79	115	1,339
26	121	Appendicitis ...	2	1	1	3	...	6	3	3	1	3	1	4	28
	122a	Hernia ...	1	...	...	...	3	1	3	4	7	...	1	5	25
	122b	Intestinal Obstruction ...	9	16	18	16	9	6	2	4	3	3	...	4	90
		(1) Intussusception ...	...	...	1	...	...	...	...	...	...	1	2	...	4
		(2) Paralytic ileus without stated cause ...	...	...	2	...	...	...	...	...	1	...	5	2	10
		(3) Other or Unspecified forms of Intestinal obstruction ...	...	1	1	...	...	...	...	...	...	...	...	...	2
	123	Other Diseases of the intestines ...	3	2	1	2	4	2	2	1	4	1	1	1	24
	124	Cirrhosis of Liver ...	13	16	10	17	15	22	17	18	17	12	27	21	205
27	125A	Acute yellow atrophy (not associated with pregnancy) ...	...	...	1	...	...	2	...	2	1	2	1	...	9
	125B	Other Diseases of the Liver ...	3	7	12	17	7	15	14	18	17	32	17	12	171
	126	Biliary Calculi ...	1	...	...	2	1	...	...	1	...	1	...	...	6
	127	Other Diseases of the Gall Bladder and Bile Ducts ...	1	1	...	...	1	...	...	...	1	1	...	...	5
	128	Diseases of the Pancreas (other than diabetes)	...	...	1	1	...	...	1	...	...	...	...	...	3
	129	Peritonitis without stated cause ...	...	3	3	3	6	10	10	9	10	9	8	6	77
		X.—Diseases of the Urinary and Genital System.													
		(Not Venereal or connected with Pregnancy or the Puerperium)													
	130	Acute Nephritis ...	6	4	2	3	1	1	2	...	1	...	...	1	21
28	131	Chronic Nephritis ...	1	...	2	3	1	8	5	1	4	1	1	...	27
	132	Nephritis not stated to be Acute or Chronic...	16	13	9	12	12	9	6	19	15	15	10	14	150
	133	Other Diseases of the Kidney and Ureters ...	1	1	1	4	5	3	5	3	1	1	2	3	30
	134	Calculi of the Urinary Passages ...	...	...	...	...	1	...	...	...	1	...	...	...	2
	135A	Cystitis ...	1	...	1	...	...	...	...	...	2	...	...	...	4
	135B	Other Diseases of the Bladder ...	...	...	1	1	...	...	...	...	...	2	...	...	4
	136A	Stricture Urethra ...	1	...	...	...	...	...	...	...	...	...	...	...	1
36	136B	Other Diseases of the Urethra, etc. ...	...	...	1	...	...	...	...	...	...	1	...	...	2
	137	Diseases of the Prostate ...	...	1	...	1	1	...	1	2	...	1	1	1	9
	138	Diseases of other male genital organs ...	...	1	...	...	...	...	...	...	...	...	...	...	1
	139	Diseases of female genital organs—	...	...	...	...	2	1	...	1	1	...	...	...	5
		(a) Diseases of the ovary, fallopian tube and Parametria ...	...	2	...	...	1	...	...	...	...	...	...	...	3
		(b) Diseases of Uterus ...	...	...	...	...	...	...	...	1	...	...	...	...	1
		(c) Diseases of the breast ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(d) Other Diseases of the female genital organs ...	...	...	...	...	...	...	...	...	...	1	...	...	1
		XI.—Diseases of Pregnancy, Child-Birth and the Puerperal State.													
9	140	Post-abortive Sepsis ...	1	1	...	...	1	...	...	...	1	...	...	...	4
	141	Abortion without mention of septic conditions	1	...	2	...	1	...	...	1	...	...	...	1	6
	142	Ectopic Gestation ...	...	...	...	...	1	...	...	1	...	...	1	1	4
30	143	Haemorrhage of Pregnancy ...	1	...	...	1	...	1	2	1	1	...	...	1	8
	144	Toxaemia of Pregnancy ...	1	3	1	2	3	1	1	2	1	4	3	3	25
	145	Other Diseases and Accidents of Pregnancy	...	2	...	...	...	...	...	2	...	...	...	...	4

Table No. 12—(Contd.)

TABLE OF DEATHS BY CAUSES AND MONTHS IN 1947—(*Contd.*)

Classification No. Short List.	Classification No. Detailed List.	Specific Causes of Death.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total.
		XI.—Diseases of Pregnancy, child-birth and the Puerperal State.—Contd.													
	146	Haemorrhage of child birth and Puerperium													
30		(*a*) Placenta Praevia (with child-birth) ...	...	...	...	...	...	...	...	...	...	...	2	...	2
		(*b*) Premature separation of Placenta (with child birth).	...	...	...	...	1	...	...	...	1	...	...	...	2
		(*c*) Other Haemorrhages of child birth ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*d*) Other Haemorrhages after child birth	...	1	...	2	...	...	2	1	1	...	8	2	17
29	147	Infection during child birth and the Puerperium ...	2	...	1	1	3	2	1	...	5	3	2	2	22
	148	Puerperal Toxaemia—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*a*) Puerperal eclampsia ...	...	...	...	...	...	...	...	...	1	...	...	...	1
		(*b*) Puerperal Albuminnria and Nephritis	...	...	...	...	...	...	...	...	...	...	...	...	...
30		(*c*) Acute yellow atrophy of liver (Post-Partum) ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	149	Other accidents of child birth ...	1	1	...	1	...	1	3	1	2	...	1	...	11
	150	Other or Unspecified conditions of child birth and Puerperal state ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		XII.—Diseases of the Skin and Cellular Tissue													
	151	Carbuncle, Boils ...	...	...	1	...	...	...	...	1	...	1	...	...	3
	152	Cellulitis, Acute Abscess ...	...	1	...	...	...	...	3	...	2	2	1	2	11
	153	Other Diseases of the Skin and Cellular Tissues ...	2	2	1	2	3	2	...	1	2	1	...	2	18
36		*XIII.—Diseases of the Bones and Organs of Movements*													
	154	Ostemyelitis and Periostitis ...	...	...	1	...	...	...	...	2	...	1	...	...	4
	155	Other diseases of the bones ...	...	...	1	...	...	...	...	...	...	...	...	...	1
	156	Diseases of the joints and other organs of movements ...	...	...	1	...	1	...	...	...	...	...	...	...	2
		XIV.—Congenital Malformation													
32	157	Congenital Malformations ...	5	1	6	3	6	1	2	8	2	2	5	5	46
		XV.—Diseases peculiar to the First Year of Life													
32	158	Congenital Debility ...	221	170	189	216	274	236	272	318	409	416	310	283	3,321
31	159	Premature Birth ...	73	46	75	69	78	77	114	116	111	109	104	115	1,087
	160	Injury at Birth ...	4	5	3	1	2	6	2	1	2	2	2	4	34
	161	Other diseases peculiar to the first year of life—	...	1	1	...	...	...	...	...	...	9	2	2	15
		(*a*) Asphyxia during or after birth, Atelectasis.	3	5	2	3	10	11	8	19	20	6	1	4	92
32		(*b*) Intoxication due to maternal toxaemia, Antenatal toxaemia.	...	...	...	...	...	...	1	...	...	...	...	...	1
		(*c*) Infections of the New born ...	...	4	8	3	1	...	1	2	...	...	...	...	19
		(1) Infections of the Umbilicus ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(2) Pemphygus neonatorum ...	...	...	1	...	...	...	...	...	...	...	...	...	1
		(3) Other or specified diseases included under 161 (*c*).	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*d*) Other specified diseases included under 161 ...	7	...	1	7	2	...	1	1	1	...	2	...	22
		XVI—Senility, Old age													
	162A	Old age ...	8	9	7	10	28	15	27	57	48	47	44	41	341
	162B	Senility with mention of senile dementia ...	...	...	...	...	...	...	...	...	...	...	...	...	...
L	162C	Senility without mention of senile dementia...	269	242	268	285	311	231	306	357	345	318	338	289	3,559
		XVII.—Deaths from Violence Suicide (163-164)													
	163	Suicide by Poisoning ...	...	...	...	...	4	1	4	...	4	6	2	...	21
		(*a*) Suicide by solid or liquid toxic or corrosive substances.	4	5	3	1	...	3	...	7	2	...	1	1	27
		(1) By Corrosive substances ...	...	...	...	...	...	1	...	...	...	...	...	...	1
		(2) By analgesic and narcotic drugs ...	...	...	...	...	1	...	3	...	...	...	...	...	4
		(4) By other solid or liquid poisons ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*b*) Suicide by poisonous gas ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(1) By Coal gas ...	...	...	...	...	...	...	...	...	...	...	...	...	...
33	164	Other forms of suicide—	...	...	...	...	...	...	...	...	1	...	...	...	1
		(*a*) Suicide by hanging or strangulation ...	2	2	1	...	...	1	...	1	3	2	1	...	13
		(*b*) Suicide by drowning ...	...	...	1	...	...	...	...	...	...	...	...	...	1
		(*c*) Suicide by fire arms and explosives ...	...	...	...	...	...	...	1	1	...	...	...	...	2
		(*d*) Suicide by cutting or piercing instruments.	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*e*) Suicide by Jumping from high places..	...	1	...	...	...	...	...	...	1	...	...	...	2
		(*f*) Suicide by crushing													
		(1) Suicide on railways ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*g*) Suicide by other or Unspecified means.	2	1	2	1	...	...	...	...	...	...	...	...	6
		Homicide (165-168)													
	165	Infanticide (Infants under 1 year) ...	1	...	...	...	...	...	...	...	...	...	...	1	2
	166	Homicide by Firearms ...	...	...	...	...	...	...	...	...	...	...	2	...	2
35	167	Homicide by cutting or piercing instruments.	102	19	3	85	12	17	20	24	37	24	7	17	367
	168	Homicide by other or Unspecified means ...	4	1	2	2	2	...	...	3	...	1	...	...	15

Table No. 12—(Contd.)

TABLE OF DEATHS BY CAUSES AND MONTHS IN 1947—(*Contd.*)

Classification No. Short List	Classification No. Detailed List.	Specific Causes of Death.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total.
		Homicide													
35		Accidental Deaths (or death not known to be due to suicide or Homicide (169-195), and other violent deaths (196-198). ...	...	...	...	...	...	...	...	...	...	...	...	...	...
	169	Railway accidents (any cause of death except war.) ...	31	20	40	18	28	25	28	34	32	30	30	31	347
34	170	Motor Vehicle Accidents (any cause of death except war.) ...	...	7	7	...	...	...	...	11	19	23	17	12	96
		(*c*) Other accidents included under 170 ...	10	...	3	9	13	8	11	4	...	...	...	...	58
	171	Other Road Transport Accidents (any cuse of death except war). ...	...	...	...	...	...	...	...	2	2	1	...	...	5
		(*a*) Tramway accidents on roads ...	1	2	1	3	7	7	2	...	...	...	...	...	23
		(*b*) Other accidents included under 171 ...	...	1	...	1	...	2	...	1	...	...	1	...	6
	172	Water Transport accidents (any cause of death except war) ...	...	...	...	...	...	...	...	...	...	1	...	...	1
	175	Agricultural and Forestry Accidents (any cause of death ...	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*c*) Other accidents included under 175 ...	...	...	...	...	...	...	...	1	...	...	...	...	1
	176	Accidents caused by Machinery (any cause of death). ...	...	1	...	...	...	...	...	...	...	...	...	...	1
	177	Food Poisoning ...	...	...	...	2	1	...	1	...	...	...	...	...	4
	178	Accidental Absorption of Poisonous gas—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*a*) Carbon Monoxide ...	...	1	...	...	...	...	...	...	...	...	...	...	1
		(*d*) Accidental absorption of any other irrespirabie or poisonous gas included in 178 ...	1	...	—	...	...	...	...	...	...	...	...	...	1
	179	Other acute Accidental poisoning (not by gas)	...	1	—	4	3	3	2	1	3	...	1	...	18
		(*a*) Salvarsan and other organic preparations of arsenic.	...	...	...	...	...	1	...	...	...	...	...	...	1
		(*b*) Other acute accidental poisoning not by gas included in 179. ...	...	...	...	...	1	1	...	...	...	...	1	...	1
	181	Accidental Burns (conflagration excepted) ...	31	16	14	17	14	14	11	14	6	9	19	19	184
35	182	Accidental Mechanical Suffocation ...	2	...	...	...	1	...	...	...	...	...	...	...	3
	183	Accidental drowning ...	7	3	2	4	6	6	45	8	4	4	7	8	104
	184	Accidental Injury by Firearms ...	11	2	...	3	1	2	...	2	2	...	...	...	23
	185	Accidental Injury by cutting or piercing instruments ...	...	...	...	...	...	...	1	...	...	1	...	...	2
	186	Accidental Injury by fall, crushing, land slides, etc. ...	8	13	11	7	12	14	15	14	8	14	29	10	155
	187	Cataclysm (any cause of death) ...	...	...	...	1	...	...	...	...	...	...	...	...	1
	189	Hunger or Thirst ...	1	...	...	...	...	...	...	1	1	...	...	...	3
	190	Excessive Cold ...	...	...	...	...	...	...	1	...	...	...	...	...	1
	193	Other Accidents due to Electric Currents ...	...	1	...	1	1	...	...	1	1	4	...	...	9
	194	Attack by Venomous Animals—	...	...	...	...	...	...	...	...	...	...	...	...	...
		(*a*) Hydrophobia ...	...	2	1	...	...	1	1	...	...	...	...	1	6
		(*b*) Snake Bites ...	...	...	...	...	...	1	...	...	1	...	1	...	3
	195	Other Accidents—	...	1	...	...	...	..	...	1	...	...	...	...	2
		(*a*) (1) Vaccinia ...	...	...	...	1	...	...	...	...	...	...	...	...	1
		(*b*) Other accidents due to medical or surgical intervention— ...	...	1	...	...	...	...	...	...	2	...	...	...	3
		(1) Anaesthetic accidents ...	...	...	...	...	...	...	...	...	2	...	...	1	3
		(*d*) Other and Unspecified accidents under 195.	20	7	8	16	15	9	13	19	12	12	18	13	162
		XVIII.—ILL-Defined causes of Deaths.													
36	199	Sudden Death ...	...	...	...	...	1	...	...	1	...	...	...	...	2
	200	Causes of Death unstated or Ill-defined ...	...	...	...	...	...	...	...	1	...	...	...	...	1
		(*a*) Ill-defined Causes— ...	...	...	...	...	...	...	...	6	...	...	...	...	6
		(1) Heart failure ...	48	46	68	53	38	30	49	65	61	59	78	72	667
		(2) Fever not defined ...	10	8	11	15	19	20	14	26	15	14	15	17	184
		(3) Other ill-defined causes ...	32	5	1	23	67	71	60	61	77	80	47	31	555
		(*b*) Found, dead, Cause unknown ...	...	5	6	3	...	...	...	1	4	6	2	9	36
		(*c*) Other deaths from Unknown or Unspecified cause ...	...	14	29	8	11	3	9	12	17	1	7	11	122
		Total ...	2,567	2,191	2,542	2,789	3,099	3,011	3,297	3,782	3,796	3,672	3,444	3,429	37,619

Table No. 13.

DEATHS AMONG INFANTS BY CAUSES, MONTHS AND AGES IN 1947.

Cause of Deaths.	Total.	Months.												Ages.			
		Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Under 1 week.	1 to 4 weeks.	4 weeks to 6 months.	6 to 12 months.
38a Malaria ...	5	...	...	1	...	...	2	...	...	...	1	1	...	...	1	2	2
38b Ague and Remittent Fever ...	8	...	...	...	...	1	2	...	...	3	...	...	2	...	...	1	7
6 Small-pox ...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
7 Measles ...	7	...	1	1	2	1	...	...	...	...	1	...	1	...	...	2	5
8 Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9 Whooping Cough ...	5	...	2	...	1	1	...	1	...	...	...	...	...	...	...	3	2
10 Diphtheria ...	21	1	1	...	1	3	1	2	3	1	3	2	3	1	...	4	16
11 Influenza ...	4	1	...	...	1	...	...	...	...	2	...	...	...	...	1	2	1
12 Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13 Dysentery ...	32	1	3	4	1	3	5	3	4	1	2	1	4	...	2	11	19
14 Plague ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18 Cerebro-Spinal Fever	2	1	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1
23 Tuberculosis of Respiratory system ...	16	2	2	...	1	1	...	3	2	2	...	...	3	...	...	7	9
24-32 Other Tuberculosis Diseases ...	64	8	5	6	7	4	6	3	6	1	6	5	7	...	1	18	45
34 Syphilis ...	20	2	3	4	1	1	2	1	...	1	4	...	1	7	3	9	1
63 Rickets ...	144	13	8	14	10	9	8	13	15	20	11	9	14	...	1	39	104
86a Convulsions ...	405	21	33	39	35	37	38	35	35	30	31	46	24	106	58	130	111
106 Bronchitis ...	40	2	1	2	7	3	3	1	...	5	13	2	1	2	3	8	27
107-109 Pneumonia (all forms) ...	2,337	164	125	170	188	217	226	172	219	213	228	193	222	20	84	909	1,324
104, 105, 110-114 Other Respiratory Diseases	27	1	2	2	2	2	3	2	...	2	3	6	2	8	2	7	10
118-1 Gastritis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
119-120 Diarrhoea and Enteritis ...	421	19	19	19	42	54	41	41	49	41	27	24	45	10	77	150	184
157 Congenital Malformation, Injury at Birth ...	3,523	240	186	211	230	295	254	294	348	431	424	314	296	1,041	970	944	568
159 Premature-Birth ...	1,086	73	46	75	69	78	77	114	116	111	109	104	114	914	149	18	5
161a Atelectasis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200-2b Suffocation Over-Lying ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
200-2a G Fever not defined	33	2	3	1	1	4	3	4	7	3	2	3	...	6	11	8	8
Other Causes ...	270	16	14	15	10	37	27	11	19	25	24	21	51	82	39	34	115
Total ...	**8,471**	**567**	**454**	**564**	**609**	**751**	**698**	**701**	**823**	**892**	**889**	**732**	**791**	**2,197**	**1,402**	**2,307**	**2,565**

Table No. 14.

TABLE SHOWING BY RACE THE RATE OF MORTALITY PER 1,000 OF POPULATION FROM DIFFERENT CAUSES OF DEATHS IN 1947.

Race and Caste.	Small-pox.	Measles.	Plague	Scarlet fever.	Kala-Azar.	Enteric fever.	Malaria.	Ague and Remit-tent fever.	Relap-sing fever.	Influ-enza.	Cholera.	Diar-rhoea and Enteri-tis.	Dysen-tery.	Tuber-culosis.	Respi-ratory diseases.	Acci-dents.	All other causes.	Total
Hindus (scheduled class) ...	...	0·07	...	...	...	0·13	0.09	1·2	...	0·01	...	1·59	0·51	1·04	2·39	1·05	41·44	49·60
Hindus of all other Castes ...	0·01	0 02	...	...	...	0·53	0·05	0·52	...	...	0·02	0·78	0·26	1·39	1·15	1·12	17·57	23·49
Hindus all Castes ...	0·01	0·03	...	...	...	0·6	0·07	0·74	...	...	0·02	0·08	0·36	1·67	1·6	1·38	25·4	32·67
Mussalmans ...	...	0·01	...	...	...	0·19	0·04	0·29	...	0·01	0·02	0·7	0 17	1·5	2·11	1·38	18·35	24·84
Parsees ...	...	...	...	...	...	0·13	0·03	...	...	0·05	...	0·28	0·13	0·35	0·6	0·73	12·18	14·51
Jews ...	...	...	...	...	...	0·28	...	0·19	...	...	...	1·25	0·38	1·53	1·25	0·48	14·43	19·82
Christians ...	...	0·02	...	...	0.01	1·22	0·12	0·23	...	0·01	0.01	2·41	0.49	3·12	0·95	1·08	15·22	24·96
Anglo-Indians ...	...	...	...	...	...	0·79	0·11	...	...	...	...	0·9	...	1·47	0·22	0·22	9·20	12·95
uropeans ...	...	...	...	...	...	0·3	0·07	0·07	...	...	...	0·23	0·07	0·46	0·3	0·99	4·84	7·38
udhists ...	...	...	...	...	...	...	...	...	...	...	...	...	1.09	6·57	1·09	3·28	16·44	28·5
Other and unknown Castes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0·92	1·08	2·01
Total ...	**0·01**	**0·02**	...	...	...	**0·46**	**0·06**	**0·49**	...	...	**0·01**	**0·89**	**0·27**	**1·42**	**1·37**	**1·13**	**19·05**	**25·24**

Table No. 15.

TABLE OF DEATHS BY AGES, SEXES AND CAUSES IN 1947.

No. in Short List.	Corresponding No. in detailed List.	Causes of deaths.	within 24 Hours.		1 to 7 Days.		1 to 4 weeks.		4 weeks to 3 months.		3 to 6 months.		6 to 12 months.		1 to 2 years.		2 to 5 years.		5 to 10 years.	
			Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1	1-2	Typhoid and Para Typhoid Fever ...	...	...	...	...	...	...	...	...	...	...	...	2	1	...	5	6	19	7
2	6	Cerebro Spinal Fever ...	...	...	...	...	...	...	...	...	1	...	...	1	2	...	1	1	...	...
3	8	Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	9	Whooping Cough ...	...	...	...	...	...	...	...	2	...	1	1	1	1	1	2	...	...	1
5	10	Diphtheria ...	...	...	1	...	...	...	...	...	3	1	11	5	9	9	6	8	4	3
6	13	Tuberculosis of Respiratory System ...	...	...	...	...	...	...	...	...	7	...	7	2	7	9	11	12	9	12
7	14-22	Other forms of Tuberculosis ...	...	...	...	...	1	...	3	1	11	3	28	17	46	42	65	42	28	25
8	30	Syphilitic disease ...	...	1	4	2	1	2	3	2	2	2	...	1	...	...	1	...	...	...
9	33	Influenza ...	...	...	...	...	1	...	1	...	...	1	1	...	1	...	1	1	...	...
10	35	Measles ...	...	...	...	...	...	...	...	...	1	1	2	3	4	4	7	12	1	3
11	36	Acute Poliomyelitis and Polioencephalitis ...	...	...	...	...	1	...	...	...	...	...	2	1	3	1	3	5	1	1
12	37	Acute infectious encephalitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
13M	45-46A	Cancer of buccal cavity and Oesophagus (Males.) ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13F	48	Cancer of Uterus ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14	46B	Cancer of Stomach and duodenum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15	50	Cancer of breast ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	45-46A females 46 a-h,47,49,51,55	Cancer of all other Sites ...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17	61	Diabetes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	83	Intra cranial Vascular Lesions ...	1	4	10	7	1	1	...	1	...	...	...	1	...	1	6	4	4	3
19	90-95	Heart disease ...	...	...	2	...	...	...	...	...	...	...	1	...	...	1	1	...	1	1
20	96-103	Other diseases of Circulatory system ...	...	1	1	2	...	...	1	...	...	...	...	1	...	1	1	2	4	...
21	106	Bronchitis ...	...	...	1	1	1	2	1	2	4	1	11	16	19	10	15	15	13	9
22	107-109	Pneumonia ...	...	1	12	7	44	40	177	188	285	259	665	659	772	840	686	824	292	320
23	104,105,110-114	Other Respiratory diseases ...	1	1	3	3	11	1	...	2	5	...	7	3	9	2	8	5	8	5
24	117	Ulceration of the Stomach or duodenum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	119,120	Diarrhoea ...	2	...	6	2	43	34	51	41	27	31	97	87	69	70	84	72	33	24
26	121	Appendicitis ...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27	115,116,118,122-129	Other digestive diseases ...	1	1	12	8	20	5	6	5	2	3	16	6	26	24	39	18	15	15
28	130-132	Nephritis ...	...	...	1	...	1	...	...	...	...	...	2	...	1	2	6	4	7	6
29	140-147	Puerperal and Post Abortives Sepsis ...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30	141-146,148-150	Other Maternal Causes ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
31	159	Premature birth ...	246	171	299	198	78	71	5	9	2	2	3	2	...	1	...	...	...	...
32	157,158,160,161	Congenital Malformation, injury at birth ...	206	125	402	308	506	464	283	276	177	208	263	305	8	8	5	7	...	...
33	163-164	Suicide ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
34	170-171	Road Traffic Accidents ...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	3	4	17	5
35	165-169,172-198	Other Violent Causes ...	2	...	...	1	1	1	...	...	2	1	3	5	10	11	20	15	20	20
6 Other defined diseases.	34	*A.* Small pox ...	...	...	...	...	...	...	...	...	...	...	...	1	2	1	...	...	2	1
	3	*B.* Plague ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	29*a*	*C.* Kala-Azar ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	28*a*	*D.* Malaria ...	...	...	...	...	...	1	...	1	1	...	2	...	1	...	3	2	4	3
	28*b*	*E.* Ague and Remittent Fever ...	...	...	...	...	...	...	...	...	1	...	3	4	10	14	44	38	31	41
	31	*F.* Relapsing Fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	200-2*a*	*G.* Fever not defined ...	...	...	3	3	6	5	3	2	1	2	8	...	8	7	1	10	6	7
	4	*H.* Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
	27	*J.* Dysentery ...	...	...	...	...	2	...	1	1	4	5	10	9	24	23	50	35	11	18
	23	*K.* Leprosy ...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...
	162	*L.* Senility and Old Age ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		M. All other causes ...	6	9	72	38	45	23	35	36	48	61	154	135	479	498	644	690	152	196
		All ages ... Males ...	465		837		752		571		584		1,298		1,512		1,720		682	
		All ages ... Females ...		314		581		650		569		583		1,267		1,580		1,832		728
				779		1,418		1,402		1,140		1,167		2,565		3,092		3,552		1,410
		Percentage						22·7								17·7				3·7

Table No. 15—*Concld.*

TABLE OF DEATHS BY AGES, SEXES AND CAUSES IN 1947—*contd.*

No. in Short List.	Corresponding No. in detailed List.	Causes of deaths.	10 to 15 years.		15 to 20 years.		20 to 30 years.		30 to 40 years.		40 to 50 years.		50 to 60 years.		60 and Over.		Age Unsupecified.		Total		Persons.	No. in Short List.
			Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		
1	1-2	Typhoid and Para Typhoid Fever	36	37	86	32	219	55	93	18	33	10	16	4	4	3			512	174	686	1
2	6	Cerebro-Spinal Fever	...	1	1	...	9	2	2	2	1	...	1	1	...	...			18	8	26	2
3	8	Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...			...	...	...	3
4	9	Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	...	...	...			4	6	10	4
5	10	Diphtheria	...	...	...	...	...	1	1	1	...	2	...	...	...	...			35	30	65	5
6	13	Tuberculosis of Respiratory System	19	15	23	45	214	209	248	123	251	60	185	45	76	22			1,057	554	1,611	6
7	14-22	Other forms of Tuberculosis	9	9	12	17	17	47	17	21	20	7	14	7	4	1			275	239	514	7
8	30	Syphilitic disease	...	...	...	...	1	3	5	...	2	1	7	...	1	...			27	14	41	8
9	33	Influenza	...	...	.	...	1	...	1	...	...	...	...	1	2	1			9	4	13	9
10	35	Measles	1	...	...	...	...	...	...	...	...	...	...	...	...	...			16	23	39	10
11	36	Acute Poliomyelitits and Polioencephalitis	...	1	1	...	5	...	1	...	...	...	1	...	...	...			18	9	27	11
12	37	Acute infections encephalitis	...	...	...	1	...	...	...	...	...	...	...	...	...	...			1	1	2	12
13M	45-46A	Cancer of buccal cavity and Oesophagus (Males)	...	...	1	...	1	...	4	...	10	...	15	...	5	...			36	...	36	13
13F	48	Cancer of Uterus	...	...	...	1	...	2	...	3	...	9	...	5	...	3			...	23	23	13
14	46E	Cancer of Stomach and duodenum	...	...	...	...	...	1	1	1	9	4	8	2	10	3			28	11	39	14
15	50	Cancer of breast	...	..	...	...	...	1	...	4	...	7	...	6	...	8			...	26	26	15
	45-46A females																					
16	46-C-h, 47,49,51,55	Cancer of all other Sites	...	1	2	3	7	4	26	9	34	19	47	23	44	34			161	93	254	16
17	61	Diabetes	...	...	1	...	2	1	3	...	8	4	7	11	17	14			38	30	68	17
18	83	Intra cranial Vascular Lesions	4	1	4	...	12	5	13	7	36	15	49	15	75	52			215	117	332	18
19	90-95	Heart disease	4	1	5	7	26	13	43	15	70	16	93	19	100	42			346	115	461	19
20	96-103	Other diseases of Circulatory system	...	...	3	1	6	6	13	6	21	6	16	6	24	16			90	48	138	20
21	106	Bronchitis	1	6	7	6	34	36	36	25	68	30	67	35	56	30			334	224	558	21
22	107-109	Pneumonia	98	14	99	114	321	252	260	181	330	96	262	89	167	135			4,470	4,119	8,589	22
23	104,105,110,114	Other Respiratory Diseases	8	2	6	10	60	51	99	40	206	60	355	120	243	161			1019	466	1485	23
24	117	Ulceration of the Stomach or duodenum	...	...	1	...	7	1	10	...	6	...	2	...	3	...			29	1	30	24
25	119-120	Diarrhoea	11	6	13	5	78	48	69	44	68	21	50	37	58	38			759	580	1,339	25
26	121	Appendicitis	1	...	2	3	6	...	3	3	4	2	...	2	1	...			18	10	28	26
27	115,116,118,122-129	Other digestive diseases	11	6	13	12	62	40	61	22	74	16	61	12	35	13			460	206	666	27
28	130-132	Nephritis	2	1	1	...	10	8	11	16	17	6	22	11	36	27			117	81	198	28
29	140-147	Puerperal and Post Abortive Sepsis	...	...	...	1	...	13	...	9	...	1	...	...	...	1			...	26	26	29
30	141-146,148-150	Other Maternal Causes	...	...	...	9	...	42	...	23	...	3	...	...	...	2			...	80	80	30
31	159	Premature birth	...	...	...	...	...	...	...	...	...	...	...	...	...	...			633	454	1,087	31
32	157,158,160,161	Congenital Malformation, injury at birth	...	...	...	...	...	...	...	...	...	...	...	...	...	...			1,850	1,701	3,551	32
33	163-164	Suicide	...	...	1	1	17	4	20	10	11	3	7	1	2	1			58	20	78	33
34	170-171	Road Traffic Accident	19	1	6	...	38	2	34	5	15	3	16	3	8	8			156	32	188	34
35	165-169,172-198	Other Violent causes	49	19	82	35	374	74	294	34	148	13	96	22	47	29	1		1,149	280	1,429	35
	34	(*A*) Small-pox	...	...	1	...	4	2	3	...	1	...	...	...	...	...			13	5	18	A
	3	(*B*) Plague	...	...	...	...	1	1	2	...	...	...	...	...	...	...			3	1	4	B
	29	(*C*) Kala-Azar	...	...	1	...	5	...	...	...	...	...	...	...	1	...			7	...	7	C
	28*a*	(*D*) Malaria	5	3	10	3	13	3	14	4	7	2	3	2	2	3			65	27	92	D
	28*b*	(*E*) Ague and Remittent Fever	20	29	35	32	83	86	64	55	63	35	17	14	8	4			379	352	731	E
	31	(*F*) Relapsing Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...			...	...	...	F
36	200 : 2*a*	(*G*) Fever not defined	2	6	4	2	21	20	14	5	8	2	12	2	7	7			104	80	184	G36
	4	(*H*) Cholera	1	...	1	...	6	2	5	2	3	1	4	2	1	...			21	8	29	H
	27	(*J*) Dysentery	5	5	12	5	16	13	28	9	30	11	32	9	31	11			256	154	410	J
	23	(*K*) Leprosy	...	1	1	1	4	...	13	...	16	6	15	...	9	2			60	10	70	K
	162	(*L*) Senility & old age	...	...	...	...	...	...	...	...	9	6	171	141	1,702	1,871			1882	2 018	3,900	L
		(*M*) All other causes	64	111	97	231	397	888	430	724	494	428	387	253	341	265			3,845	4,586	8,431	M
		All ages ... Males	370		532		2,077		1,941		2,073		2,038		3,120		1		20,573			
		All ages ... Females		376		577		1,936		1,421		905		900		2,827				17,046		
			746		1,109		4,013		3,362		2,978		2,938		5,947		1				37,619	
		Percentage.	2.0		2.9		10.6		8.9		7.9		7.8		15.8				100.0			

Table No. 16.

SUMMARY OF SANITARY INSPECTIONS MADE AND SANITARY IMPROVEMENTS SECURED BY THE S. M. I's, J. M. I's AND MEDICAL ASSISTANTS IN 1947.

	No. of Inspections, etc., by	
	S. M. I's and J. M. I's.	Medical Assistants.
A—Nature of Inspection or premises visited—		
1. Dwelling Houses ...	9,662	24,227
2. Milch Cattle Stables ...	1,371	4,426
3. Other Stables ...	918	2,999
4. Dairies and Milkshops ...	4,413	5,365
5. Eating Houses ...	5,586	11,790
6. Other premises where food is sold ...	5,141	5,148
7. Aerated Water Works ...	377	812
8. Other Workshops and Factories ...	6,018	10,924
9. Accumulations of Refuse ...	1,997	5,038
10 Building Works ...	11	11
11. Drains and Fittings ...	5,277	11,364
12. Other Inspections and Inquiries ...	11,644	28,277
13. Markets	39	103
Total No. of Inspections ...	52,454	110,484
B—Works, etc., completed—		
1. Dwellings—		
(*a*) Limewashed ...	990	2,608
(*b*) Water supply provided ...	...	5
(*c*) Overcrowding abated ...	...	6
(*d*) Insanitary dwellings evacuated ...	521	1,049
2. Stables—		
(*a*) Paved and drained ...	11	100
(*b*) Cleaned and refuse removed ...	37	360
(*c*) Licence cancelled ...	1	1
3. Eating Houses, Dairies, etc.—		
(*a*) Regulations enforced ...	141	1,564
(*b*) Licences cancelled ...	...	...
4. Factories and Workshops—		
Limewashing, etc., carried out ...	10	158
5. Drains, etc., repaired ...	311	5,065
6. Privies abolished ...	4	1
7. New W. Cs. provided ...	13	19
8. Accumulation of Refuse removed ...	211	1,371
9. Other Works completed ...	122	3,648
Total Sanitary Work completed ...	998	15,955

Table No. 17.

METEOROLOGICAL DATA (GOVERNMENT OBSERVATORY, COLABA), LATITUDE 18°-53'-36" NORTH LONGITUDE 72°-48'-56" EAST.

Months.	Wind.	Temperature.							Humidity at 8 Hours.		Rainfall.						
	Direction.	Mean Velocity in Miles per hour.	Mean Maximum Temperature.	Departure from Normal.	Highest in month.	Mean Minimum Temperature.	Departure from Normal.	Lowest in month.	Mean.	Departure from Normal.	Total rainfall in the month.	Departure from Normal.	Highest fall in one day.		Minimum fall in one day.		Number of rainy days.
													Inches.	Date.	Inches.	Date.	
1947.																	
January ...	...	...	84.9	+2.3	89.7	67.2	+0.8	62.0	...	...	0.00	—0.09	...	...	...	...	...
February ...	...	...	85.6	+2.8	93.3	68.9	+1.9	62.0	...	...	0.00	—0.06	...	...	...	...	...
March ...	...	...	86.9	+1.2	92.3	73.5	+1.9	66.4	...	...	0.00	—0.04	...	...	...	...	...
April ...	...	...	89.0	+0.6	98.9	77.1	+1.3	72.2	...	...	2.52	+2.48	1.47	18th	...	...	7
May ...	...	...	91.2	+0.5	93.2	80.1	+0.9	75.8	...	...	0.00	—0.68	...	...	...	...	...
June ...	...	...	91.9	+3.7	94.7	81.4	+3.1	76.6	...	...	3.61	—16.07	0.66	12th	0.01	9, 24, 26	9
July ...	...	...	86.8	+1.6	91.7	77.6	0.0	72.0	...	...	22.03	—1.92	3.69	17th	0.02	6th 9th	22
August ...	...	...	86.2	+1.4	90.3	77.3	+1.6	73.7	...	...	20.56	+7.35	3.17	21st	...	...	16
September ...	...	...	85.3	+0.3	88.7	76.6	+1.3	68.0	...	...	25.45	+15.16	10.45	23rd	0.01	10, 26, 27	18
October ...	...	...	87.7	+0.9	93.3	74.5	—1.3	71.0	...	...	2.92	0.00	2.68	1st	0.06	2nd	3
November ...	...	...	88.7	—0.3	93.4	73.0	+1.0	69.0	...	...	0.00	0.00	...	...	...	...	...
December ...	...	...	88.4	+2.0	92.0	69.7	+1.2	65.0	...	...	0.00	0.00	...	...	...	...	...

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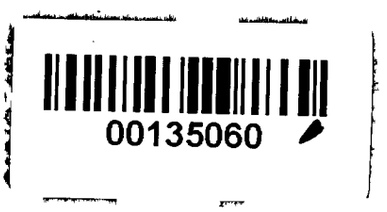
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